Author Index for Volume 83
(January through December, 2005)

A

Aarnink, A. J. A., 1385
Aaron, D. K., 478
Abdelsamei, A. H., 940
Abe, A., 1845
Abedi, S., 408
Adams, N. R., 1868
Adedokun, S. A., 1882, 2519
Adeola, O., 1882, 2519
Aherne, F. X., 255
Ahola, J. K., 1812
Alabern, X., 2215
Albuquerque, L. G., 1511
Alexander, B. M., 455
Allan, M. F., 1839
Allee, G. L., 243, 634, 2527
Allen, V. G., 2225
Allison, C. P., 671
Álvarez, I., 737
Amer, P. R., 2319
Amills, M., 293, 301, 493
Anderson, D. B., 2886
Anderson, L. H., 613, 1801
Anderson, R. C., 1959
Anderson, R. V., 694
Andrews, F. M., 2509
Aoyama, M., 1845
Apgar, G. A., 1563
Apple, J. K., 1097, 1202, 1633
Arango, J., 499, 1241, 2052
Archibeque, S. L., 1153
Armstrong, T. A., 1361
Arqué, M., 334
Arranz, J. J., 737
Arthington, J. D., 933, 1726, 2894
Arts, D. J. G., 324
Asakura, Y., 644
Atkinson, R. L., 2908
Aubert, A. E., 1568
Averette Gatlin, L., 1890
Awata, T., 308, 2247
Awawdeh, M. S., 2448
Azain, M. J., 1361
Azevedo, J. M. T., 350
Azevedo, P. A., 842
Aziz, M. A., 519

B

Baas, T. J., 316, 750
Backes, G., 833
Bader, J. F., 136
Bahng, S. H., 1397
Bailey, D. W., 2205
Bailey, J. D., 613, 1801
Baitis, H. K., 1690
Baker, D. H., 223
Bakken, M., 41
Ball, R. O., 2535
Bartenschlager, H., 2289
Bartoš, L., 124
Bauchart, D., 2162
Bauer, L. L., 160
Bauer, M. L., 2815
Bautista, J. M., 2853
Beal, W. E., 1690
Beauchemin, K. A., 653, 1116
Beaudry, D., 565
Beck, P. A., 2235
Beckers, F., 1568
Beever, D. E., 1075, 1088
Beever, J., 1229
Beever, J. E., 1481, 2471
Behrends, J. M., 662, 2869
Bekhit, A. E. D., 2189
Belk, K. E., 890
Bengochea, W. L., 2815
Bennett, G. L., 13, 507, 1247, 2280
Berardinelli, J. G., 2106, 2495
Berg, E. L., 1549
Berg, E. P., 243, 2722, 2752
Berger, L. L., 2826, 2918, 2926
Bergman, J. W., 2175
Bergsma, R., 144
Berman, A., 1377
Bertol, T. M., 75, 1536
Bertolo, R. F., 2535
Bertrand, J. K., 29, 62, 537, 757, 2736
Bertrand, K. P., 152
Bevans, D. W., 1116
Bickerstaffe, R., 2189
Bidanel, J. P., 1979, 2289
Bidner, T. D., 376, 386, 858, 1303, 2543
Bijma, P., 49, 2043
Billon, Y., 1979
Bilodeau, L., 816
Bindel, D. J., 1625
Birchmeier, A. N., 2482
Blackburn, H. D., 992
Blair, H. T., 1988, 2729
Blanton, J. R., 366
Blasco, A., 2297, 2303, 2308
Block, H. C., 2798
Boettcher, P., 2043
Bogden, R., 2901
Boggs, D. L., 108
Bohlke, R. A., 2387, 2396
Bohmanova, J., 62
Bohnert, D. W., 1715
Boissy, A., 1696
Boland, T. M., 871
Boleli, I. C., 579
Boles, J. A., 2175
Bollinger, D. W., 2380
Borton, R. J., 679, 1345
Boston, R. C., 2357, 2509
Bozzi, R., 2043
Brameld, J. M., 2330, 2564
Brandebourg, T. D., 98, 2096
Breen, S. M., 460
Brendemuhl, J. H., 852
Brenneman, R. A., 13
Bressner, G. E., 1581
Brewer, M. S., 1455
Brewer, S., 2843
Briegel, J. R., 1868
Brink, D. R., 2663
Brommelsiek, W. A., 2380
Brophy, P. O., 871
Brown, J. A., 1002
Brown, M. A., 1194
Brown, M. P., 1033
Brown, W. F., 1726
Bruce, H. L., 1
Bruns, K. W., 108
Bryan, W. B., 1435
Bryden, W. L., 2372
Buckmaster, D. R., 231
Buff, C. E., 2380
Buff, P. R., 1023
Bunter, K. L., 1753
Buonomo, F. C., 2789
Burden, B. T., 478
Bureau, D. P., 842
Burns, J. C., 262
Burns, P. D., 1812, 1832
Burnworth, L. A., 172
Buttery, P. J., 2330, 2564
Byrne, K. A., 1

C

Cabassi, E., 1939
Caja, G., 1215, 2215
Calkins, C. R., 2863
Callaway, T. R., 1959
Calsamiglia, S., 1616, 2572
Cammack, K. M., 777, 983
Campbell, J. M., 1933
Canaza Cayo, A. W., 2482
Canh, T. T., 1385
Canibe, N., 1287
Cant, J. P., 1102
Cantet, R. J. C., 2482
Cardoso, F. F., 1766
Cardozo, P. W., 2572
Caritez, J. C., 1979
Carr, S. N., 223, 2886
Carroll, J. A., 634
Carter, J. N., 1924
Carter, S. D., 852, 2123
Cartmill, J. A., 1875
Casadei, G., 1939
Casas, E., 13, 2001, 2280, 2743
Casellas, J., 334, 543
Casey, D. S., 969
Cassady, J. P., 68
Caton, J. S., 187, 422, 2938
Cepica, S., 2289
Cervantes, M., 625, 2130
Chambers, IV, E., 2618
Chang, H. H., 1397
Chapman, P. L., 890
Charles-Edwards, S. L., 2653
Chase, Jr., C. C., 13, 2001
Chénard, L., 1413
Chiba, L. I., 852
Choi, B. H., 2255
Choi, H., 344
Christensen, D. A., 1133
Christenson, R. K., 1860
Chung, H. Y., 2255
Ciccioli, N. H., 586, 2653
Clark, R. N., 722
Clark, R. T., 694
Clarke, S. L., 2137
Claypool, P. L., 1924
Clayshulte-Ashley, A. K., 466
Cleveland, M. A., 992
Climent, A., 2297, 2303, 2308
Cline, T. R., 2123
Coalson, J. A., 1002
Coblentz, W. K., 1142, 2684
Coffey, K. P., 1142, 2684
Cole, N. A., 722
Coleman, C. J., 2632
Coleman, S. W., 13, 1194
Collins, D. C., 2372
Combes, S., 1526
Comerford, J. W., 231
Confer, A. W., 1924
Conill, C., 2215
Connolly, A., 2637
Corrigan, B. P., 449
Costine, B. A., 810
Crenshaw, T. D., 852, 2123
Creve, J., 2645
Cromwell, G. L., 852, 1054, 1068, 2123, 2554, 2876
Crosby, T. F., 871
Crowe, M. A., 1948
Crowley, J. C., 1875
Culbertson, M., 499, 1241, 2052
Cundiff, L. V., 196, 507, 764, 1247, 2033
Cuneo, S. P., 597
Curtis, S. E., 449
Cusack, P. M. V., 2423
Cushman, R. A., 1839

D

Dailey, J. W., 208, 1959
D'Angelis, F. H. F., 579
Dávalos, G., 293
Davis, M. E., 1097
Dean, D. W., 2543
deAvila, D. M., 152
de Avila, D. M., 604, 2901
Debeuckelaere, S., 2645
DeDecker, J. M., 449
De Greef, K. H., 948
Dekkers, J. C. M., 969, 1229
de Koning, G., 144
de Lange, C. F. M., 1044
Demars, J., 1979
Demeure, O., 1979
den Hartog, L. A., 440, 900
Deobald, H. M., 927
Depenbusch, B. E., 2440
Derno, M., 833, 2590
de Rochambeau, H., 1526
DeRouchey, J. M., 1673, 2624
DeSilva, U., 1914
De Smet, S., 1568
Dias-da-Silva, A., 350

Diaz, D. E., 1939
DiCostanzo, A., 2455
Dikeman, M. E., 764, 2461, 2618
Dilger, R. N., 1882
Ding, S. T., 1516
Dinneen, M. M., 879
Distl, O., 2264
D'Occhio, M. J., 2111
Dodds, K. G., 1988, 2271, 2729
Donovan, S. M., 2404
Doster, A. R., 1494
Doumit, M. E., 671
Dove, C. R., 852
Downing, J. A., 2372
Dressler, E. A., 2461
Dritz, S. S., 255, 2624
Drögemüller, C., 2264
Drost, M., 1017
Drouillard, J. S., 1625, 2440
Du, M., 117, 2611
Duckett, S. K., 430
Ducro, B. J., 324
Duke, S. E., 1959
Duncan, J. V., 455
Durand, D., 2162
Dusek, D. L., 1068
Dust, J. M., 2414

E

Earley, B., 1948
Echternkamp, S. E., 1839
Edrington, T. S., 1959
Eichen, P. A., 1423
Eisenstein, R. S., 2137
Eissen, J. J., 440, 900
Ellersieck, M. R., 136, 2380
Elliott, S. B., 2509
Ellis, M., 75, 223, 449, 1481, 1536, 1581, 2087, 2471
Ellis, W. C., 1591, 1602
Elsasser, T. H., 89
Elsner, A., 833
Ely, D. G., 478
Encinias, A. M., 187
Encinias, H. B., 187
England, M. B., 2886
Engle, T. E., 1812, 1832
Enns, R. M., 992, 1832
Erickson, G. E., 2798, 2826
Eskridge, K. M., 2863
Estellé, J., 2723
Estienne, M. J., 1690
Ethington, R. T., 2440
Etter, R. P., 408
Evans, M., 1680

F

Fahey, A. J., 2330, 2564
Fahey, G. C., 160
Fahey, Jr., G. C., 2414
Falck, S. J., 1715
Fang, Q., 745, 963
Farmer, C., 825
Farriol, B., 2215
Farris, K. L., 460
Faulkner, D. B., 2918, 2926
Fausti, S. W., 2605
Fève, K., 1979
Fernández, I., 737
Fernández, J., 1747
Fernandez, X., 1664
Ferraz, G. C., 579
Ferrell, C. L., 916
Ferret, A., 1616, 2572
Feuz, D. M., 2863
Filippini, F., 2043
Finley, J. W., 422
Fioretti, C., 2482
Fischer, K. A., 983
Fischer, R. L., 1581
Fisher, D. S., 262
Fitzpatrick, L. A., 2111, 2632
Fletcher, D. W., 1068
Flickinger, E. A., 160
Floyd, C., 2653
Flynn, C. R., 2175
Folch, J. M., 293, 301, 2289, 2723
Foley, A. E., 408
Forabosco, F., 2043
Ford, J. J., 130, 2111
Ford, S. P., 117
Forni, S., 1511
Fox, D. G., 940
Frank, N., 2509
Freetly, H. C., 916
Freise, K., 2843
Freking, B. A., 1860, 2743
French, P., 1167
Friedel, K., 1332
Fu, C. J., 1549
Fujishima-Kanaya, N., 308
Fulford, J. D., 1322
Funston, R. N., 1403

G

Gaines, A. M., 243, 634, 2527
Gajda, A. M., 160
Galloway, D., 1633
Galloway, D. L., 1202
Galvano, F., 1939
Galyean, M. L., 1959
Ganjam, V. K., 1023
Ganskopp, D. C., 1715
Garcia-Casado, P., 334
Garín, D., 2215
Garrick, D. J., 992
Gaskins, C. T., 152, 1680, 2901
Geary, T. W., 1403, 2671
Geers, R., 1568
Geesink, G. H., 1646
Geisert, R. D., 1914
Gekara, O. J., 1435
Geldermann, H., 2289
Genovese, K. J., 1959
Gerngross, M. F., 1068
Gerrits, W. J. J., 1385
Ghirardi, J., 2215
Ghirardi, J. J., 1215
Gil, L. F., 350
Gil, M., 293, 301, 493
Gilbert, C. D., 1153
Giles, L. R., 908, 2372
Gill, C. A., 2461
Gill, D. R., 1924
Gill, R. K., 2455
Gillis, M. H., 430
Gnad, D. P., 1824, 2448
Goetsch, A. L., 182
Gogué, J., 1979
Gomes, M. J., 350
Gómez, E., 737
Gondret, F., 1526
Gonyou, H. W., 1413
Good, E. J., 2440
Goodband, R. D., 255, 2624
Goodson, K. J., 662, 2869
Goodwin, R., 2722
Gorden, P. J., 597
Gordon, M. E., 2365
Gorocica-Buenfil, M. A., 705
Goyache, F., 737
Graham-Thiers, P. M., 2783
Grandeen, K. L., 408
Green, J. T., 1179
Greene, L. W., 722
Greenquist, M. A., 2440
Gregory, K. E., 764, 2033
Grieshop, C. M., 160, 2414
Grings, E. E., 2671
Grove, A. V., 1445
Gruffat, D., 2162
Gueye, A., 722
Gunter, S. A., 2235
Gupta, S., 1948
Guretzky, N. A. Janovick, 2696
Gutiérrez, J. P., 737
Guzik, A. C., 858, 1303
Gwartney, B. L., 662, 2869

H

Hachmeister, K. A., 686, 2618
Haferkamp, M. R., 2671
Haley, D. B., 2205
Hallford, D. M., 466
Hamann, H., 2264
Hambrecht, E., 440, 900
Hamilton, D. N., 75
Han, J. H., 1397
Hanford, K. J., 552
Hansen, C., 20
Hansen, P. J., 1017
Harhay, G., 2280
Harley, S. A., 1854
Harmon, D. L., 393, 1899
Harper, A. F., 852, 1690
Harper, G. S., 1
Harrell, R. J., 1002
Harris, P. A., 2357
Hartke, J. L., 2404
Hartnell, G. F., 400, 1581, 2826
Hastad, C. W., 2624
Hatfield, P. G., 2175
Hausman, G. J., 1010
Hay, M., 216
Hayashi, T., 308, 2247
He, J. M., 625, 2130
Hedemann, M. S., 1554
Heetkamp, M. J. W., 1385
Heitschmidt, R. K., 2671
Hellwig, D. H., 2684
Hennig, U., 833
Henry, B. J., 1068
Heo, J., 208
Hernandez, J. A., 466, 2901
Hernández-Jover, M., 2215
Herring, W., 499, 1241, 2052
Hersom, M. J., 1914
Hess, B. W., 117, 2146, 2151, 2908
Hetzler, B. M., 393
Hickford, J. G. H., 745, 963
Hiemstra, A., 948
Higgins, J. J., 1824
Hill, G. M., 852, 2123, 2137, 2762
Hill, N. S., 430
Hirooka, H., 1503, 2021
Højberg, O., 1287
Højsgaard, S., 1287
Holl, J. W., 34, 1494
Hollis, G. R., 852, 2123
Holm, B., 41
Holtz, W., 1543
Hooper, J., 2339
Horn, G. W., 1914, 2653
Horsley, B. R., 1690
Hortos, M., 301
Hoveland, C. S., 430
Hristov, A. N., 408, 1312
Hsu, C. W., 2075
Hu, C. Y., 98, 2096
Hubbell, III, D. S., 2684
Huff, N. K., 1875
Huff-Lonergan, E., 1370
Humphry, J. B., 2684
Hunt, C. W., 1312, 1445, 2806
Hunt, M. C., 686
Huntington, G. B., 1179
Hutchison, S., 2235
Huynh, T. T. T., 1385
Hvelplund, T., 400
Hyun, Y., 1581

I

Iannuccelli, N., 1979
Ibi, T., 1503
Ilian, M. A., 2189
Ilsley, S. E., 82
Imamidoost, R., 1102
Inskeep, E. K., 810
Irie, M., 2058
Isogai, N., 644
Ivers, D. J., 2886
Ives, S. E., 1625
Iwaisaki, H., 537, 757
Izuru, S., 634

J

Jackson, D. J., 1854
Jang, G. W., 2255
Jendza, J. A., 1882
Jenkins, T. G., 777, 916, 1705
Jennings, J. A., 1142
Jensen, B. B., 1287, 1554
Jentsch, W., 2590
Jeon, J. H., 1397
Ji, F., 366
Jiménez, N., 293
Jiménez-Severiano, H., 2111
Johnson, A. K., 1959
Johnson, B. J., 1824
Johnson, D. D., 13, 2001
Johnson, E. W., 75
Johnson, K. A., 2806
Johnson, P. L., 1988, 2729
Johnson, R. C., 671
Johnson, R. K., 34, 130, 1494, 2722
Johnson, Z. B., 2684
Jones, C. L., 2624
Jones, C. S., 2611
Jones, D. J., 2886
Jones, M. R., 908
Joshi, P. S., 2096, 2495
Jousan, F. D., 1017
Junghans, P., 833

K

Kachman, S. D., 2033, 2663
Kadowaki, H., 2058
Kahi, A. K., 1503, 2021
Kalchayanand, N., 2611
Kamel, C., 82, 2572
Kanis, E., 948
Karr-Lilienthal, L. K., 2414
Kattesh, H. G., 208
Kayser, J. P., 1824
Keane, N., 871
Keele, J. W., 2001, 2280
Kegley, E. B., 1097, 1202, 1633
Keisler, D. H., 20, 586, 1023, 1854, 2663, 2752
Kendall, D. C., 634, 2527
Kennington, L. R., 1312, 1445
Kent, M. P., 2182
Keown, J. F., 786
Kephart, K. B., 715
Kerley, M. S., 863, 1549, 2752
Kernaleguen, L., 1979
Kerr, B. J., 1303, 2543, 2789
Kerr, C. A., 908, 1753
Kessen, T. J., 2440
Ketchen, D. J., 940
Ketheesan, N., 2632
Kezar, W., 1445
Kies, A. K., 625, 2130
Killefer, J., 223, 1455, 2886
Kim, D. J., 1397
Kim, J.-J., 1229
Kim, K. S., 2255
Kim, S. W., 366, 852, 2123
Kim, T. H., 2255
Kim, T. W., 1062
Kim, Y. K., 344
Kinder, J. E., 2111
Kivipelto, J., 1033
Klang, J. E., 172
Klement, K. D., 2671
Klindt, J., 1705, 2789
Klopfenstein, T. J., 694, 2798, 2826
Knight, C. D., 2527
Knight, J. W., 1690
Knol, E. F., 324
Knox, R. V., 460
Koch, R. M., 764, 2033
Kohn, R. A., 879
Kojima, F. N., 136
Koketsu, Y., 1406
Komatsu, M., 308
Kononoff, P. J., 927
Koohmaraie, M., 662, 764, 1646, 2001, 2182, 2280, 2869
Koontz, S. R., 890
Kott, R. W., 2175
Krehbiel, C. R., 466, 1914, 1924
Kristensen, N. B., 1899
Kronfeld, D. S., 2357, 2783
Kropf, D. H., 686
Kuhla, S., 2590
Kukowski, A. C., 2605
Kumagai, M., 2058
Kuo, C. F., 1516

L

Labouriau, R., 2349
Lacerda-Neto, J. C., 579
Lai, C. H., 2775
Lake, S. L., 2908
Lalman, D. L., 1194, 1924, 2653
Lamberson, W. R., 983, 1972
Lancingerová, J., 124
Laplaud, P. M., 2162
Lardy, G. P., 187, 2815, 2938
Larzul, C., 1526
Lascano, C. E., 1602
Laycock, A. D., 927
Lazzaroni, S. M., 2632
Lean, I. J., 2423
Ledoux, S., 565
Lee, C., 2372
Lee, H. Y., 2255
Lee, J. W., 2255
Lee, K. T., 2255
Leeson, S., 842
Legleiter, L. R., 863, 2434
Lehnert, S. A., 1
Lei, X. G., 1062
Lemay, S. P., 1413
LeMieux, F. M., 376, 858
Lenehan, N. A., 1673
Lens, L., 2645
Lents, C. A., 586
Leupp, J. L., 187, 2938
Lew, J., 2509
Lewis, A. J., 2123
Lewis, G. S., 455
Leymaster, K. A., 777, 1860, 2743
Li, C., 20, 2009
Li, C. J., 89
Li, D. F., 2775
Li, Y. Z., 1413
Liao, S. F., 625, 2130
Lin, C. S., 2075
Lin, C. Y., 531, 2313
Lindemann, M. D., 852, 1054, 2554, 2876
Lindquist, R. U., 2663
Link, J. E., 2137, 2762
Linville, M. L., 2752
Lipsey, R. J., 1403
Liu, B. H., 1516
Liu, Q., 2339
Lloyd, K. E., 2434
López-Bote, C. J., 2853
Loe, E. R., 2440
Loerch, S. C., 679, 705, 1345
Logan, J. R., 455
Lomax, M. A., 1075, 1088
Lonergan, S. M., 1370
Lord, E., 565
Loughin, T. M., 686
Ludden, P. A., 2146, 2151
Lukas, M., 1332
Lukert, P. D., 1933
Lunstra, D. D., 2111
Lunt, D. K., 1153
Lusby, K. S., 2653
Lyon, B. G., 430

M

Mabry, J. W., 2722
Macken, C. N., 2798
MacNeil, M. D., 794, 2671
Maddock, K. R., 1370
Maddock, R. J., 2598, 2605, 2835
Maejima, Y., 1845
Maertens, L., 2645
Mahan, D. C., 852, 2123
Mahlooji, M., 1591, 1602
Main, R. G., 255
Malayer, J. R., 1914
Maltby, S. A., 1075, 1088
Mancini, R. A., 686
Mandell, I. B., 2009
Manteca, X., 1616
Mao, X. F., 2775
Marchin, G. L., 1673
Marquess, F. L. S., 927
Marston, T. T., 1673
Martin, J. L., 2663
Martinez, G. E., 2033
Mateescu, R. G., 803
Mateus-Pinilla, N., 1455
Mathews Oliver, S. A., 1002
Matis, J. H., 1591, 1602
Matthes, H.-D., 2590
Matthews, A. K., 1179
Matthews, J. O., 324, 858
Maxwell, C. V., 852
Maxwell, Jr., C. V., 1633
Mayland, H. F., 262
McAllister, T. A., 1116
McBride, K., 722
McClure, K. E., 679, 1345
McCuistion, K. C., 2448
McCusker, R. H., 1455
McDowell, L. R., 1924
McEwan, J. C., 1988, 2729
McGinley, B. C., 2684
McGinn, S. M., 653
McGlone, J. J., 2225
McGuire, M. A., 1312
McKeever, K. H., 2365
McKeith, F. K., 223, 1481, 1536, 2471, 2886
McKinnon, J. J., 1116, 1133
McLean, D. J., 604
McMeniman, N. P., 2423
McWilliam, S. M., 1
Means, W. J., 117
Meers, S. A., 1361
Melgar, A., 408
Menoyo, D., 2853
Mercadé, A., 2289, 2723
Merchen, N. R., 160, 2414
Mesa, H., 983
Metges, C. C., 833, 2590
Meyer, A. M., 2762
Meyer, D. L., 2752
Miguel, J. C., 2637
Mikawa, S., 308, 2247
Mikkelsen, L. L., 1554
Milan, D., 1979, 2289
Milán, M. J., 1215
Miller, D. C., 933
Miller, H. M., 82
Miller, P. S., 852, 1581, 2123
Miller, R. K., 2722
Miller, S. P., 1780, 1788, 2009
Milliken, G. A., 2618
Mills, E. W., 715
Mimbs, K. J., 1361
Min, B. R., 182, 1322
Misztal, I., 29, 62, 499, 537, 757, 1241, 2052, 2736
Mitloehner, F. M., 1959
Mocé, M. L., 2303, 2308
Moehn, S., 2535
Moloney, A. P., 1167
Monaco, M. H., 2404
Monahan, F. J., 1167
Montgomery, S. P., 2440
Moore, S. S., 20, 2009
Morgan, J. B., 1914
Morgan, W. W., 662, 2869
Mori, N., 308
Morikawa, R., 644
Morozumi, T., 2247
Morrical, D. G., 2696
Morrison, C. D., 1023
Morrow, J. L., 208, 1959
Morton, J. D., 2189
Moser, D. W., 2461
Moss, G. E., 455, 2908
Mounier, A. M., 216
Mounier, L., 1696
Mowrey, D. H., 2886
Mueller, A. M., 863
Mulder, H. A., 49
Munn, K. J., 2339
Murphy, B. D., 565
Mussard, M. L., 2111
Mwenya, B., 644
Myeong, B. S., 1397
Myung, K. H., 344

N

Naughton, P. J., 1554
Nayigihugu, V., 2908
Nelssen, J. L., 852, 2624
Nestor, E. L., 1435
Newcom, D. W., 316, 750
Newman, D. J., 440, 900
Neyt, A., 1568
Nielsen, M. K., 777
Nii, M., 308, 2247
Niki, A., 308
Nishida, A., 519, 2058
Nishida, S., 519
Nkrumah, J. D., 20, 2009
Noci, F., 1167
Noguera, J. L., 293, 301, 334, 493, 2723
Novakofski, J., 1455, 2843
Nowakowski, P., 871
Nürnberg, G., 833

O

Oatley, J. M., 152, 604
Obach, A., 2853
Obeidat, B. S., 466
Odle, J., 1002, 1890
Ogden, R. K., 1142
Oliver, W. T., 1002
Olson, T. A., 13
O'Rourke, K. I., 455
Ortega, J. A., 2297
Osorio, F. A., 1494
Ott, E. A., 1033
Óvilo, C., 2723

P

Pagliuca, G., 1939
Paisley, S. I., 2908
Palin, M. F., 565
Palin, M.-F., 825
Pan, Y. X., 172
Park, H. S., 2255
Parker, A. J., 2632
Parr, E. N., 449
Parr, T., 2330, 2564
Parsons, C. M., 2414
Patterson, D. J., 136

Payton, M. E., 586
Pedersen, C., 2387
Peeters, E., 1568
Pencharz, P. B., 2535
Pérez-Enciso, M., 2289, 2723
Perryman, K. R., 2527
Peterson, B. A., 1581
Peterson, B. C., 816
Petry, D. B., 1494
Pettigrew, J. E., 2637
Petzke, K. J., 833
Phillips, J. M., 2235
Piao, X. S., 2775
Piedrafita, J., 334, 543
Pierce, J. L., 2876
Pierce, V. L., 2752
Piles, M., 340
Pinchak, W. E., 1322
Piva, A., 1939
Platter, W. J., 890
Pleasant, R. S., 1563
Pollak, E. J., 2461
Polo, J., 1933
Pong-Wong, R., 1747
Poole, T. L., 1959
Poore, M. H., 1179
Popp, M. P., 2684
Porcher, J., 1653, 1664
Porter, J. H., 1549
Poulos, S. P., 1010
Prigge, E. C., 1435
Pringle, T. D., 1361
Pritchard, R. H., 108
Prunier, A., 216
Puchala, R., 182, 1322
Pujols, J., 1933
Purcell, S. H., 1690
Purchas, R. W., 1988, 2729
Purvis, H. T., 2653
Pyatt, N. A., 2918, 2926

Q

Queiroz-Neto, A., 579
Quigley, J. D., 1933
Quigley, III, J. D., 2414
Quintanilla, R., 301

R

Rachuonyo, H. A., 2225
Radcliffe, J. S., 1563
Rademacher, M., 1044
Rafel, O., 340
Rakes, L. K., 1202, 1633
Ramon, J., 340
Ramsay, T. G., 2066, 2501
Rasby, R. J., 694, 2663
Ratliff, B. W., 2527
Rave, G., 1332
Raymond, S. L., 1267
Reagan, J. O., 662, 2869
Realini, C. E., 430
Reeves, J. J., 152, 604, 2901
Reisner, A. E., 2705
Rekaya, R., 41
Remmenga, M. D., 466
Reverter, A., 1, 908, 1753
Reynolds, C. K., 1075, 1088
Reynolds, L. P., 187
Rice, J. P., 1563
Richards, C. J., 1715
Richards, M. P., 2501
Richardson, C. R., 722
Richardson, M. D., 1142
Richert, B. T., 852
Riley, D. G., 13, 2001
Riley, R. T., 1939
Rincker, M. J., 2137, 2762
Rincker, P. J., 223, 2886
Ríos-Utrera, A., 764
Riquet, J., 1979
Ritter, M. J., 75, 1536
Rius, M. A., 301
Robbins, K. R., 29, 2736
Robbins, N. D., 2826
Roberts, A. J., 1403, 1705
Roberts, G. D., 1033
Roberts, M. P., 208
Robinson, T. J., 2908
Robison, O. W., 2722
Rodriguez-Zas, S., 1229
Rodriguez-Zas, S. L., 460, 1481, 2087, 2471, 2918, 2926
Roeber, D. L., 2455
Ropp, J. K., 408
Rosa, G. J. M., 1766
Rosenkrans, Jr., C. F., 2684
Roso, V. M., 1780, 1788
Ross, J. W., 1914
Rotger, A., 1616
Rothschild, M. F., 1229
Rottinghaus, G. E., 1423
Rotz, C. A., 231
Roughsedge, T., 2319
Rouse, G. H., 1353
Rowe, L. J., 1370
Rowntree, J. E., 2762
Royo, L. J., 737
Rozeboom, D. W., 2637
Rubio, I., 586
Rule, D. C., 2908
Russek-Cohen, E., 879
Russell, J. R., 2696
Russell, L. E., 1933, 2876
Russell, W. C., 455

S

Saa, C., 1215
Sackmann, J. R., 430
Safranski, T. J., 983
Sahlu, T., 182
Salak-Johnson, J. L., 2087
Sánchez, A., 293, 301, 334, 2723
Sànchez, A., 493
Sanchez, M. P., 1979
Sands, J. S., 1882
Santacreu, M. A., 2297, 2303, 2308
Santoso, B., 644
Sar, C., 644
Sasae, Y., 1503
Sasaki, Y., 1503
Sauer, W. C., 625, 2130
Savell, J. W., 662, 2869
Sawalha, R. M., 786
Saxton, A. M., 208
Scarbrough, D. A., 1142, 2684
Schaeffer, L. R., 1788
Schafer, D. J., 136
Schasteen, C. S., 2414
Schauer, C. S., 1715
Schenkel, F. S., 1780, 1788, 2009
Schillo, K. K., 613, 1801
Schmidt, T. B., 2752
Scholljegerdes, E. J., 2146, 2151, 2908
Schultz, C. L., 478
Schwab, C. R., 316, 750
Schwartzkopf-Genswein, K. S., 1116
Schweigel, M., 2590
Scislowski, V., 2162
Scott, A. L., 1068
Searls, G. A., 2835
Sedcole, J. R., 2189
See, M. T., 1890
Seidel, G., 1435
Sejrsen, K., 2349
Sellers, H., 2722
Seyfert, M., 686
Seymour, R., 1753
Shackelford, S. D., 196, 662, 2001, 2280, 2869
Shaw, D. T., 2637
Shelton, J. L., 376, 1303
Shen, B., 1753
Shen, Q. W., 2611
Shi, B. L., 2775
Shibata, T., 2058
Shimanuki, S., 2247
Short, R. E., 2671
Sillence, M. N., 2339
Silva, S. R., 350
Simm, G., 2319
Sinclair, P. A., 358
Sindt, J. J., 2440
Sise, J. A., 2271
Sissom, E. K., 1824
Sitz, B. M., 2863
Smith, G. C., 890
Smith, M. F., 136, 1972
Smith, R. A., 1924
Smith, S. B., 1153
Smith, T. F., 2684
Smith, T. K., 1267, 1914
Smith, T. P. L., 13, 2001, 2280
Smits, C. H. M., 440, 900
Snelling, W. M., 2280
Snowder, G. D., 507, 552, 786, 1247, 1680, 1839
Sohnrey, B., 1543
Solfrizzo, M., 1939
Sørensen, M. T., 2349
Sosa, J. M., 152
Soto-Navarro, S. A., 2815, 2938
Southern, L. L., 376, 386, 852, 858, 1303, 2543
Southey, B. R., 1481, 2471
Spears, J. W., 933, 2434, 2580
Spencer, J. D., 243
Spicer, L. J., 586
Spiers, D. E., 1423
Spötter, A., 2264
Squires, E. J., 358
Srichana, P., 2527
Stahl, C. A., 2752
Stahly, T. S., 852
Stalder, K. J., 316, 750, 2632
Staniar, W. B., 2357
Stanisiewski, E. P., 1581, 2826
Starkey, J. D., 1824
Stearns, T. M., 1481, 2471
Stegner, J. E., 136
Stein, H. H., 852, 2123, 2387, 2396
Stern, H. S., 969
Stevens, J. D., 152
Stewart, E. L., 927
Stobart, R. H., 455
Stock, R. A., 2798
Stone, R. T., 2280
Stookey, J. M., 2205
Storer, W. A., 1875
Stouffer, J. R., 940
Strickland, J. R., 466
Strohbehn, D. R., 2696
Südekum, K.-H., 1332
Sugita, S., 1845
Sulpizio, M. J., 2440
Susenbeth, A., 1332
Sutherland, M. A., 2087
Suzuki, K., 519, 2058
Swamy, H. V. L. N., 1267
Sweeter, K. K., 2598
Szasz, J. I., 1445, 2806
Szasz, P. A., 2806

T

Tait, Jr., R. G., 1353
Takahashi, J., 644
Takaura, K., 644
Tani, F., 308
Tarrés, J., 543
Tate, M. L., 2271
Tatum, J. D., 890
Taylor, G. L., 2605
Taylor, J. B., 422, 466, 1186
Taylor, R. G., 1646
Tedeschi, L. O., 940
Tempelman, R. J., 1766, 2637
Terlouw, E. M. C., 1653, 1664
Thaler, R. C., 2396
Thallman, R. M., 1839
Theil, P. K., 2349
Therkildsen, M., 2182
Thompson, R., 2319
Thompson, Jr., D. L., 1875
Thomsen, B., 2349
Thonney, M. L., 803, 940
Tibary, A., 604
Tiffany, M. E., 2580
Ting, S. T. L., 1948
Titgemeyer, E. C., 1625, 2448
Todd, R. W., 722
Tokach, M. D., 255, 2624, 2722
Tomàs, A., 493
Toride, Y., 634, 644
Toro, M. A., 1747
Touchette, K. J., 1002
Traylor, S. L., 1054, 2554
Treiber, K. H., 2357
Tsuruta, S., 499, 537, 757, 1241, 2052
Tume, R. K., 1153
Turgeon, Jr., O. A., 2806
Turner, J. E., 1142, 2684
Turzillo, A. M., 597
Tuyttens, F. A. M., 2645

U

Uchida, Y., 308
Umberger, W. J., 2863
Unruh, J. A., 686
Usry, J. L., 634

V

Valdez, K. E., 597
Vallet, J. L., 1860

van Arendonk, J. A. M., 948, 2043
van der Lende, T., 144
Vander Pol, K. J., 2826
Vangen, O., 41
Vanhanan, L., 2189
van Heugten, E., 852
van Milgen, J., 842
Van Nuffel, A., 2645
Van Poucke, E., 2645
van Rens, B. T. T. M., 144
Van Vleck, L. D., 68, 507, 552, 764, 786, 1247, 2033
van Wijk, H. J., 324
Varona, L., 293, 301, 334, 340, 493, 2289
Veiseth, E., 2182
Veissier, I., 1696
Verstegen, M. W. A., 440, 900, 1385
Veum, T. L., 2123, 2380
Víchová, J., 124
Vidal, O., 293, 301, 493
Villanueva, B., 1747
Vogt, M. L., 466

W

Waldbieser, G. C., 816
Walker, E. L., 1854, 2752
Walker, P. M., 2918, 2926
Waller, C. A., 1875
Wamsley, N. E., 1832
Wang, Y. C., 1516
Wang, Y. H., 1
Waylan, A. T., 1824
Weaver, E. M., 2876
Webb, Jr., K. E., 172
Webel, D. M., 449
Weber, J. S., 1494
Webster, M., 324
Weisbjerg, M. R., 400
Westman, M. K., 1680
Weston, T. R., 2151
Wettemann, R. P., 586, 2653
Wheaton, J. E., 604
Wheeler, M. B., 2404
Wheeler, T. L., 196, 662, 2001, 2280, 2869
Whisnant, C. S., 1002
White, F. J., 586, 1914
White, S. N., 13, 2001
Whitley, N. C., 1854
Whittet, K. M., 466
Williams, C. B., 1262
Williams, J. L., 2009
Williams, S. B., 386
Wilson, C. B., 2826
Wilson, D. E., 1353
Wilson, M. E., 810
Wilton, J. W., 1780, 2009
Wirt, A. R., 2387
Wise, J. W., 662, 2869
Wistuba, T. J., 1097, 1202, 1633
Wolter, B. F., 449
Wong, E. A., 172
Woodworth, J. C., 1824
Wu, G., 366
Wulf, D. M., 679, 1345, 2598, 2605, 2835
Wyles, J., 478
Wynn, P. C., 2372

X

Xing, J. J., 2775
Xue, B., 1908

Y

Yamka, R. M., 393
Yancey, E. J., 2618
Ye, X., 2009
Yen, H.-W., 130
Yen, J. T., 852, 2789
Yeon, S. C., 1397
Yi, G. F., 634, 2527
Yoon, D. H., 2255
Young, M. G., 255
Yu, J., 20, 2009
Yu, P., 1133

Z

Zanella, E. L., 2901
Zhang, Y. C., 625, 2130
Zhang, Y. S., 1908
Zhang, Z., 2461
Zhao, X. Q., 1908
Zhou, G. H., 2339
Zhou, H., 745, 963
Zhu, C. L., 1044
Zhu, M. J., 117, 2611
Zimmerman, D. R., 130

Subject Index for Volume 83
(January through December, 2005)

A

Acid-Base Equilibrium
  Effect of feed withdrawal and handling intensity on longissimus muscle glycolytic potential and blood measurements in slaughter weight pigs, 1536
  Effects of dietary supplementation with L-carnitine and fat on blood acid-base responses to handling in slaughter weight pigs, 75
Acidosis
  Effect of rapid or gradual grain adaptation on subacute acidosis and feed intake by feedlot cattle, 1116
Acute Exposure
  Effects of locoweed on serum swainsonine and selected serum constituents in sheep during acute and subacute oral/intraruminal exposure, 466
Additive Relationship Matrix
  Benefits from marker-assisted selection under an additive polygenic genetic model, 1747
Additivity
  Additivity of values for apparent and standardized ileal digestibility of amino acids in mixed diets fed to growing pigs, 2387
Adipocyte
  Porcine preadipocyte proliferation and differentiation: A role for leptin?, 2066
Adipocyte Determination and Differentiation-Dependent Factor 1
  Effect of docosahexaenoic acid and arachidonic acid on the expression of adipocyte determination and differentiation-dependent factor 1 in differentiating porcine adipocytes, 1516
Adipogenesis
  Isomer-specific regulation of differentiating pig preadipocytes by conjugated linoleic acids, 2096
  Regulation of differentiating pig preadipocytes by retinoic acid, 98
Adiponectin
  Diurnal variation of ghrelin, leptin, and adiponectin in Standardbred mare, 2365
  Expression of adiponectin and its receptors in swine, 565
Adiponectin Receptors
  Expression of adiponectin and its receptors in swine, 565
Adipose Metabolism
  Fatty acid indices of stearoyl-CoA desaturase do not reflect actual stearoyl-CoA desaturase enzyme activities in adipose tissues of beef steers finished with corn-, flaxseed-, or sorghum-based diets, 1153
Adipose Tissue
  Changes in gene expression of glucose transporters in lactating and nonlactating cows, 557
  Characterization of porcine β_1- and β_2-adrenergic receptors in heart, skeletal muscle, and adipose tissue, and the identification of an atypical β-adrenergic binding site, 2339
  Effects of grazing program and subsequent finishing on gene expression in different adipose tissue depots in beef steers, 1914
β-Adrenergic Receptors
  Characterization of porcine β_1- and β_2-adrenergic receptors in heart, skeletal muscle, and adipose tissue, and the identification of an atypical β-adrenergic binding site, 2339
Adrenocorticotropic Hormone
  Effects of castration, tooth resection, or tail docking on plasma metabolites and stress hormones in young pigs, 216
Adrenocorticotropic Hormone Immunization
  The effect of active immunization against adrenocorticotropic hormone on cortisol, β-endorphin, vocalization, and growth in pigs, 2372
Aerobic Training
  Aerobic training, but not creatine supplementation, alters the gluteus medius muscle, 579
Age
  Amino acid supplementation improves muscle mass in aged and young horses, 2783
  Breed and age affect baseline immune traits, cortisol, and performance in growing pigs, 2087
  Effect of cattle age, forage level, and corn processing on diet digestibility and feedlot performance, 705
Age at First Calving
  Estimates of genetic correlations between days to calving and reproductive and weight traits in Nelore cattle, 1511
Aggression
  Repeated handling of pigs during rearing. II. Effect of reactivity to humans on aggression during mixing and on meat quality, 1664
Aging
  Flavor characterization of top-blade, top-sirloin, and tenderloin steaks as affected by pH, maturity, and marbling, 2618
Air Ejection
  Use of a crush-reducing device to decrease crushing of suckling piglets by sows, 1397
Air Quality
  Influence of dietary crude protein concentration and source on potential ammonia emissions from beef cattle manure, 722
Alfalfa
  Ruminal in situ disappearance kinetics of dry matter and fiber in growing steers for common crabgrass forages sampled on seven dates in northern Arkansas, 1142
Alpha-Tocopherol
  The physiological and production effects of increased dietary intake of vitamins E and C in feedlot cattle challenged with bovine herpesvirus 1, 2423
Amino Acid
  Amino acid supplementation improves muscle mass in aged and young horses, 2783
  Technical note: Improved technique for fitting pigs with steered ileocecal valve cannulas, 1563
Amino Acid:Energy
  Level of supplemental protein does not influence the ruminally undegradable protein value, 863
Amino Acid Oxidation
  Estimate of the variability of the lysine requirement of growing pigs using the indicator amino acid oxidation technique, 2535
Amino Acids
  Additivity of values for apparent and standardized ileal digestibility of amino acids in mixed diets fed to growing pigs, 2387
  Calcium, phosphorus, and amino acid digestibility in low-phytate corn, normal corn, and soybean meal by growing pigs, 2396
  Effect of phytase supplementation to a low- and a high-phytate diet for growing pigs on the digestibilities of crude protein, amino acids, and energy, 2130
  Effect of phytase supplementation to diets for weanling pigs on the digestibilities of crude protein, amino acids, and energy, 625
  Evaluation of low-oligosaccharide, low-phytate whole soybeans and soybean meal in canine foods, 393
  Ruminal ammonia load affects leucine utilization by growing steers, 2448
  Splanchnic metabolism of nitrogenous compounds and urinary nitrogen excretion in steers fed alfalfa under conditions of increased absorption of ammonia and L-arginine supply across the portal-drained viscera, 1075
  Supplementing a ruminally undegradable protein supplement to maintain essential amino acid supply to the small intestine when forage intake is restricted in beef cattle, 2151
Ammonia
  Influence of dietary crude protein concentration and source on potential ammonia emissions from beef cattle manure, 722
  Ruminal ammonia load affects leucine utilization by growing steers, 2448
Ammonia Utilization
  Effect of carbohydrate source on ammonia utilization in lactating dairy cows, 408

AMP-Activated Protein Kinase
Effect of dietary α-lipoic acid on growth, body composition, muscle pH, and AMP-activated protein kinase phosphorylation in mice, 2611
Androgen Receptor
Effect of testosterone on insulin-like growth factor-I, androgen receptor, and myostatin gene expression in splenius and semitendinosus muscles in sheep, 803
Androstenone
Bayesian analysis of quantitative trait loci for boar taint in a Landrace outbred population, 301
Testicular sulfoconjugation of the 16-androstene steroids by hydroxysteroid sulfotransferase: Its effect on the concentrations of 5α-androstenone in plasma and fat of the mature domestic boar, 358
Animal Identification
Cost evaluation of the use of conventional and electronic identification and registration systems for the national sheep and goat populations in Spain, 1215
Animal Production
Grazing and feedlot performance of yearling stocker cattle integrated with spring- and fall-calving beef cows in a year-round grazing system, 2696
Animal Welfare
Measuring fluctuating asymmetry in fattening rabbits: A valid indicator of performance and housing quality?, 2645
Antimicrobial
Effects of mannan oligosaccharide and an antimicrobial product in nursery diets on performance of pigs reared on three different farms, 2637
Antioxidant Capacity
Effects of dietary n-6 or n-3 polyunsaturated fatty acids protected or not against ruminal hydrogenation on plasma lipids and their susceptibility to peroxidation in fattening steers, 2162
Antioxidants
The physiological and production effects of increased dietary intake of vitamins E and C in feedlot cattle challenged with bovine herpesvirus 1, 2423
Apoptosis
Butyrate-induced apoptosis and cell cycle arrest in bovine kidney epithelial cells: Involvement of caspase and proteasome pathways, 89
Apparent Ileal Digestibility
Additivity of values for apparent and standardized ileal digestibility of amino acids in mixed diets fed to growing pigs, 2387
Arachidonic Acid
Effect of docosahexaenoic acid and arachidonic acid on the expression of adipocyte determination and differentiation-dependent factor 1 in differentiating porcine adipocytes, 1516
Arginine
Splanchnic metabolism of nitrogenous compounds and urinary nitrogen excretion in steers fed alfalfa under conditions of increased absorption of ammonia and L-arginine supply across the portal-drained viscera, 1075
Splanchnic metabolism of nutrients and hormones in steers fed alfalfa under conditions of increased absorption of ammonia and L-arginine supply across the portal-drained viscera, 1088
Artificial Insemination
Technical Note: Transcervical deep cornual insemination of goats, 1543
Ascorbate
The physiological and production effects of increased dietary intake of vitamins E and C in feedlot cattle challenged with bovine herpesvirus 1, 2423
Astragalus membranaceus
Effects of β-glucan obtained from the Chinese herb *Astragalus membranaceus* and lipopolysaccharide challenge on performance, immunological, adrenal, and somatotropic responses of weanling pigs, 2775
Atlantic Salmon
Effect of dietary fish oil substitution with linseed oil on the performance, tissue fatty acid profile, metabolism, and oxidative stability of Atlantic salmon, 2853
Automatic Feed Dispensers
Identification of errors and factors associated with errors in data from electronic swine feeders, 969
Average Daily Gain
Estimates of genetic parameters for feed intake, feeding behavior, and daily gain in composite ram lambs, 777

B

Backcross
Exclusion of the swine leukocyte antigens as candidate region and reduction of the position interval for the *Sus scrofa* chromosome 7 QTL affecting growth and fatness, 1979
Backfat
Effect of sow parity and weight at service on target maternal weight and energy for gain in gestation, 255
Threshold-linear estimation of genetic parameters for farrowing mortality, litter size, and test performance of Large White sows, 499
Backfat Layers
Genetic and phenotypic relationships between individual subcutaneous backfat layers and percentage of longissimus intramuscular fat in Duroc swine, 316
Bahiagrass
Estimation of feeding value of four tropical forage species at two stages of maturity, 1726
Balance
Comparison of growth performance and zinc absorption, retention, and excretion in weanling pigs fed diets supplemented with zinc-polysaccharide or zinc oxide, 2380
Barley
Effect of grain processing degree on intake, digestion, ruminal fermentation, and performance characteristics of steers fed medium-concentrate growing diets, 2815
Methane emissions from feedlot cattle fed barley or corn diets, 653
Bayes Factor
Bayes factor analysis for the genetic background of physiological and vitality variables of F_2 Iberian × Meishan newborn piglets, 334
Bayesian analysis of quantitative trait loci for boar taint in a Landrace outbred population, 301
Bayesian Analysis
Genetic analysis of age at first service, return rate, litter size, and weaning-to-first service interval of gilts and sows, 41
Bayesian Inference
Divergent selection for uterine capacity in rabbits. I. Genetic parameters and response to selection, 2297
Multiple-breed genetic inference using heavy-tailed structural models for heterogeneous residual variances, 1766
Bayesian Theory
Genetic parameters of fertility in two lines of rabbits with different reproductive potential, 340
Beef
Beef customer satisfaction: Factors affecting consumer evaluations of calcium chloride-injected top sirloin steaks when given instructions for preparation, 2869
Beef customer satisfaction: USDA quality grade and marination effects on consumer evaluations of top round steaks, 662
Beef quadriceps hot boning and modified-atmosphere packaging influence properties of injection-enhanced beef round muscles, 686
Characterization of biological types of cattle (Cycle VII): Carcass, yield, and longissimus palatability traits, 196
Consumer sensory acceptance and value of domestic, Canadian, and Australian grass-fed beef steaks, 2863
Determining the optimum beef longissimus muscle size for retail consumers, 2598
Effects of copper oxide bolus administration or high-level copper supplementation on forage utilization and copper status in beef cattle, 2894
Effects of marbling and shear force on consumers' willingness to pay for beef strip loin steaks, 890
Evaluating consumer acceptability and willingness to pay for various beef chuck muscles, 2605
Flavor characterization of top-blade, top-sirloin, and tenderloin steaks as affected by pH, maturity, and marbling, 2618
Gene expression profiling of muscle tissue in Brahman steers during nutritional restriction, 1
Growth rate, body composition, and meat tenderness in early vs. traditionally weaned beef calves, 2752
Intramuscular tenderness variation within four muscles of the beef chuck, 2835
Meat quality responses to feeding distiller's grains to finishing Holstein steers, 2455
Phenotypic ranges and relationships among carcass and meat palatability traits for fourteen cattle breeds, and heritabilities

and expected progeny differences for Warner-Bratzler shear force in three beef cattle breeds, 2461
Prediction of retail product and trimmable fat yields from the four primal cuts in beef cattle using ultrasound or carcass data, 1353
The effect of a leptin single nucleotide polymorphism on quality grade, yield grade, and carcass weight of beef cattle, 927
Beef Cattle
A practical longitudinal model for evaluating growth in Gelbvieh cattle, 29
Additive, dominance, and epistatic loss effects on preweaning weight gain of crossbred beef cattle from different *Bos taurus* breeds, 1780
Association of single nucleotide polymorphisms, in the leptin gene with carcass and meat quality traits of beef cattle, 2009
Body condition score at parturition and postpartum supplemental fat effects on cow and calf performance, 2908
Calving system and weaning age effects on cow and preweaning calf performance in the Northern Great Plains, 2671
Effect of cattle age, forage level, and corn processing on diet digestibility and feedlot performance, 705
Effect of copper status, supplementation, and source on pituitary responsiveness to exogenous gonadotropin-releasing hormone in ovariectomized beef cows, 1812
Effect of cutting height and genetics on composition, intake, and digestibility of corn silage, 1445
Estimates of genetic correlations between days to calving and reproductive and weight traits in Nelore cattle, 1511
Estimation of correlation between maternal permanent environmental effects of related dams in beef cattle, 537
Genetic analysis of carcass traits of steers adjusted to age, weight, or fat thickness slaughter endpoints, 764
Genetic and economic evaluation of Japanese Black (Wagyu) cattle breeding schemes, 2021
Genetic and environmental factors influencing mortality up to weaning of *Bruna dels Pirineus* beef calves in mountain areas. A survival analysis, 543
Genetic evaluation of the ratio of calf weaning weight to cow weight, 794
Genetic parameters estimated with multi-trait and linear spline-random regression models using Gelbvieh early growth data, 757
Genetic parameters for stayability, stayability at calving, and stayability at weaning to specified ages for Hereford cows, 2033
Incidence of puberty in beef heifers fed high- or low-starch diets for different periods before breeding, 2653
Influence of dietary crude protein concentration and source on potential ammonia emissions from beef cattle manure, 722
Methane emissions from feedlot cattle fed barley or corn diets, 653
Optimal wet corn gluten and protein levels in steam-flaked corn-based finishing diets for steer calves, 2798
Relationship of sire expected progeny differences to milk yield in Brangus cows, 1194
Supplementing a ruminally undegradable protein supplement to maintain essential amino acid supply to the small intestine when forage intake is restricted in beef cattle, 2151
The effects of weaning beef calves in two stages on their behavior and growth rate, 2205
The fatty acid composition of muscle fat and subcutaneous adipose tissue of pasture-fed beef heifers: Influence of the duration of grazing, 1167
Beef Cow
A comparison of progestin-based protocols to synchronize ovulation and facilitate fixed-time artificial insemination in postpartum beef cows, 136
Beef Cows
Effect of rotation frequency and weaning date on forage measurements and growth performance by cows and calves grazing endophyte-infected tall fescue pastures overseeded with crabgrass and legumes, 2684
Effects of supplementation of whole corn germ on reproductive performance, calf performance, and leptin concentration in primiparous and mature beef cows, 2663
Influence of nutrient intake and body fat on concentrations of insulin-like growth factor-I, insulin, thyroxine, and leptin in plasma of gestating beef cows, 586
Beef Heifers
Effect of administration of human chorionic gonadotropin after artificial insemination on concentrations of progesterone and conception rates in beef heifers, 1403
Beef Herd
A beef herd model for simulating feed intake, animal performance, and manure excretion in farm systems, 231
Beef Quality
Effect of endophyte type on carcass traits, meat quality, and fatty acid composition of beef cattle grazing tall fescue, 430
Beef Steers
Effects of grazing program and subsequent finishing on gene expression in different adipose tissue depots in beef steers, 1914
Beet
Nutrient digestibility in sheep fed diets containing Roundup Ready or conventional fodder beet, sugar beet, and beet pulp, 400
Behavior
Behavior, physiology, and performance of bulls mixed at the onset of finishing to form uniform body weight groups, 1696
Behavior, preference for, and use of alfalfa, tall fescue, white clover, and buffalograss by pregnant gilts in an outdoor production system, 2225
Estimates of genetic parameters for feed intake, feeding behavior, and daily gain in composite ram lambs, 777
Hepatic corticosteroid-binding globulin (CBG) messenger RNA expression and plasma CBG concentrations in young pigs in response to heat and social stress, 208
The effects of weaning beef calves in two stages on their behavior and growth rate, 2205
Bermudagrass
Estimation of feeding value of four tropical forage species at two stages of maturity, 1726
Ruminal in situ disappearance kinetics of dry matter and fiber in growing steers for common crabgrass forages sampled on seven dates in northern Arkansas, 1142
Bioavailability
Effects of supplemental dietary phytase and pharmacological concentrations of zinc on growth performance and tissue zinc concentrations of weanling pigs, 386
Biological Indicators
Biological responses to porcine respiratory and reproductive syndrome virus in pigs of two genetic populations, 1494
Biopsy
An assessment of extraction and assay techniques for quantification of calpain and calpastatin from small tissue samples, 2182
Biostimulation
Initiation of postpartum luteal function in primiparous restricted-suckled beef cows exposed to a bull or excretory products of bulls or cows, 2495
Introduction of bulls at different days postpartum on resumption of ovarian cycling activity in primiparous beef cows, 2106
Biotechnology
Glufosinate herbicide-tolerant (LibertyLink) rice vs. conventional rice in diets for growing-finishing swine, 1068
Birth Weight
Preweaning piglet mortality in relation to placental efficiency, 144
Bloat
Wheat pasture bloat dynamics, in vitro ruminal gas production, and potential bloat mitigation with condensed tannins, 1322
Blood Urea Nitrogen
Using blood urea nitrogen to predict nitrogen excretion and efficiency of nitrogen utilization in cattle, sheep, goats, horses, pigs, and rats, 879
Bloodmeal
Level of supplemental protein does not influence the ruminally undegradable protein value, 863
BLUP Genetic Evaluation
Benefits from marker-assisted selection under an additive polygenic genetic model, 1747
Boar Exposure
Effect of age and physical or fence-line boar exposure on estrus and ovulation response in prepubertal gilts administered PG600, 460
Boar Taint
Bayesian analysis of quantitative trait loci for boar taint in a Landrace outbred population, 301
Testicular sulfoconjugation of the 16-androstene steroids by hydroxysteroid sulfotransferase: Its effect on the concentrations of 5α-androstenone in plasma and fat of the mature domestic boar, 358
Body Composition
Changes in weight and composition in various tissues of pregnant gilts and their nutritional implication, 366

Estimation in vivo of the body and carcass chemical composition of growing lambs by real-time ultrasonography, 350
Seasonal changes in weight and body composition of yak grazing on alpine-meadow grassland in the Qinghai-Tibetan Plateau of China, 1908
Technical Note: A dynamic model to predict the composition of fat-free matter gains in cattle, 1262
The effect of stage of growth and implant exposure on performance and carcass composition in steers, 108
Body Condition
Influence of nutrient intake and body fat on concentrations of insulin-like growth factor-I, insulin, thyroxine, and leptin in plasma of gestating beef cows, 586
Body Condition Score
Body condition score at parturition and postpartum supplemental fat effects on cow and calf performance, 2908
Body Weight
Behavior, physiology, and performance of bulls mixed at the onset of finishing to form uniform body weight groups, 1696
Seasonal changes in weight and body composition of yak grazing on alpine-meadow grassland in the Qinghai-Tibetan Plateau of China, 1908
Bolus
Cost evaluation of the use of conventional and electronic identification and registration systems for the national sheep and goat populations in Spain, 1215
Bone
Influence of starch intake on growth and skeletal development of weanling horses, 1033
Bone Mineral
Effect of microbial phytase addition with or without the trace mineral premix in nursery, growing, and finishing pig diets, 376
Bone Resistance
Carcass composition, bone mechanical properties, and meat quality traits in relation to growth rate in rabbits, 1526
Bos indicus
Reproductive characteristics of grass-fed, luteinizing hormone-releasing hormone-immunocastrated *Bos indicus* bulls, 2901
The effect of transportation on the immune status of *Bos indicus* steers, 2632
Bovidae
Splanchnic metabolism of nitrogenous compounds and urinary nitrogen excretion in steers fed alfalfa under conditions of increased absorption of ammonia and L-arginine supply across the portal-drained viscera, 1075
Splanchnic metabolism of nutrients and hormones in steers fed alfalfa under conditions of increased absorption of ammonia and L-arginine supply across the portal-drained viscera, 1088
Bovine
Effects of varying energy intake and sire breed on duration of postpartum anestrus, insulin like growth factor-1, and growth hormone in mature crossbred cows, 1705
Identification of genetic markers for fat deposition and meat tenderness on bovine chromosome 5: Development of a low-density single nucleotide polymorphism map, 2280
Initiation of postpartum luteal function in primiparous restricted-suckled beef cows exposed to a bull or excretory products of bulls or cows, 2495
Introduction of bulls at different days postpartum on resumption of ovarian cycling activity in primiparous beef cows, 2106
The role of thecal androgen production in the regulation of estradiol biosynthesis by dominant bovine follicles during the first follicular wave, 597
Bovine Kidney Epithelial Cell
Butyrate-induced apoptosis and cell cycle arrest in bovine kidney epithelial cells: Involvement of caspase and proteasome pathways, 89
Bovine Spongiform Encephalopathy
Prion biology relevant to bovine spongiform encephalopathy, 1455
Brahman
Assessment of single nucleotide polymorphisms in genes residing on chromosomes 14 and 29 for association with carcass composition traits in *Bos indicus* cattle, 13
Brangus
Relationship of sire expected progeny differences to milk yield in Brangus cows, 1194
Breed
Breed and age affect baseline immune traits, cortisol, and performance in growing pigs, 2087
Effects of varying energy intake and sire breed on duration of postpartum anestrus, insulin like growth factor-1, and growth hormone in mature crossbred cows, 1705
Breed Comparisons
Lack of evidence for cytoplasmic effects for four traits of Polypay sheep, 552
Breeding Goals
Breeding for societally important traits in pigs, 948
Breeding Program
Effects of genotype × environment interaction on genetic gain in breeding programs, 49
Breeding Program Design
Genetic and economic evaluation of Japanese Black (Wagyu) cattle breeding schemes, 2021
Breeding Schemes
Genetic and economic evaluation of Japanese Black (Wagyu) cattle breeding schemes, 2021
Breeding Value
Genetic evaluation using parentage information from genetic markers, 2271
Breeding Value Estimation
Comparison of three models to estimate breeding values for percentage of loin intramuscular fat in Duroc swine, 750
Breeds
Characterization of biological types of cattle (Cycle VII): Carcass, yield, and longissimus palatability traits, 196
Evaluation of Dorset, Finnsheep, Romanov, Texel, and Montadale breeds of sheep: V. Reproduction of F_1 ewes in spring mating seasons, 2743
Brown Seaweed Meal
Effects of cooked molasses blocks and fermentation extract or brown seaweed meal inclusion on intake, digestion, and microbial efficiency in steers fed low-quality hay, 2938
Bull
Reproductive characteristics of grass-fed, luteinizing hormone-releasing hormone-immunocastrated *Bos indicus* bulls, 2901
Bulls
Effects of novel females and stage of the estrous cycle on sexual behavior in mature beef bulls, 613
Effects of sequential or group exposure to unrestrained estrual females on expression of sexual behavior in sexually experienced beef bulls, 1801
Initiation of postpartum luteal function in primiparous restricted-suckled beef cows exposed to a bull or excretory products of bulls or cows, 2495
Introduction of bulls at different days postpartum on resumption of ovarian cycling activity in primiparous beef cows, 2106
Butyrate
Butyrate-induced apoptosis and cell cycle arrest in bovine kidney epithelial cells: Involvement of caspase and proteasome pathways, 89

C

Calcium
Calcium, phosphorus, and amino acid digestibility in low-phytate corn, normal corn, and soybean meal by growing pigs, 2396
Calcium Chloride
Effect of calcium chloride, zinc chloride, and water infusion on metmyoglobin reducing activity and fresh lamb color, 2189
Calf
An evaluation of production and economic efficiency of two beef systems from calving to slaughter, 694
Calpain
A new single nucleotide polymorphism in *CAPN1* extends the current tenderness marker test to include cattle of *Bos indicus*, *Bos taurus*, and crossbred descent, 2001
An assessment of extraction and assay techniques for quantification of calpain and calpastatin from small tissue samples, 2182
Calpain 3/p94 is not involved in postmortem proteolysis, 1646
Effect of pH and ionic strength on μ- and m-calpain inhibition by calpastatin, 1370
μ-Calpain
Assessment of single nucleotide polymorphisms in genes residing on chromosomes 14 and 29 for association with carcass composition traits in *Bos indicus* cattle, 13

Calpastatin
An assessment of extraction and assay techniques for quantification of calpain and calpastatin from small tissue samples, 2182
Calpain 3/p94 is not involved in postmortem proteolysis, 1646
Effect of pH and ionic strength on μ- and m-calpain inhibition by calpastatin, 1370
Calves
Comparison of an early and normal weaning management system on cow and calf performance while grazing endophyte-infected tall fescue pastures, 478
The effect of early weaning on feedlot performance and measures of stress in beef calves, 933
The effects of weaning beef calves in two stages on their behavior and growth rate, 2205
Vitamin E supplementation of newly arrived feedlot calves, 1924
Calving Season
Calving system and weaning age effects on cow and preweaning calf performance in the Northern Great Plains, 2671
Cannula
Technical note: Improved technique for fitting pigs with steered ileocecal valve cannulas, 1563
CAPN1
A new single nucleotide polymorphism in *CAPN1* extends the current tenderness marker test to include cattle of *Bos indicus*, *Bos taurus*, and crossbred descent, 2001
Carbohydrate
Effect of carbohydrate source on ammonia utilization in lactating dairy cows, 408
^{13}Carbon Bicarbonate Recovery
Response to lysine in a wheat gluten diet in adult minipigs after short- and long-term dietary adaptation as assessed with an indicator amino acid oxidation and balance technique, 833
Carbon Dioxide
Methane emissions from feedlot cattle fed barley or corn diets, 653
Carcass
An evaluation of production and economic efficiency of two beef systems from calving to slaughter, 694
Characteristics of lambs fed concentrates or grazed on ryegrass to traditional or heavy slaughter weights. II. Wholesale cuts and tissue accretion, 1345
Characterization of biological types of cattle (Cycle VII): Carcass, yield, and longissimus palatability traits, 196
Comparison of characteristics of lambs fed concentrate or grazed on ryegrass to traditional or heavy slaughter weights. I. Production, carcass, and organoleptic characteristics, 679
Isoleucine requirement of 80- to 120-kilogram barrows fed corn-soybean meal or corn-blood cell diets, 2543
Meat quality responses to feeding distiller's grains to finishing Holstein steers, 2455
Performance of growing-finishing pigs fed diets containing YieldGard Rootworm corn (MON 863), a nontransgenic genetically similar corn, or conventional corn hybrids, 1581
The effect of a leptin single nucleotide polymorphism on quality grade, yield grade, and carcass weight of beef cattle, 927
Carcass Composition
Carcass composition, bone mechanical properties, and meat quality traits in relation to growth rate in rabbits, 1526
Genetic parameters for carcass composition and pork quality estimated in a commercial production chain, 324
Prediction of retail product and trimmable fat yields from the four primal cuts in beef cattle using ultrasound or carcass data, 1353
Carcass Trait
Meat quality traits were unaffected by a quantitative trait locus affecting leg composition traits in Texel sheep, 2729
Carcass Traits
A directed search in the region of GDF8 for quantitative trait loci affecting carcass traits in Texel sheep, 1988
Assessment of single nucleotide polymorphisms in genes residing on chromosomes 14 and 29 for association with carcass composition traits in *Bos indicus* cattle, 13
Association of single nucleotide polymorphisms, in the leptin gene with carcass and meat quality traits of beef cattle, 2009
Effects of chromium propionate on growth, carcass traits, and pork quality of growing-finishing pigs, 858
Effects of propylene glycol on carcass traits and its related gene expression in Korean native steers, 344
Genetic analysis of carcass traits of steers adjusted to age, weight, or fat thickness slaughter endpoints, 764
Genetic and economic evaluation of Japanese Black (Wagyu) cattle breeding schemes, 2021
Genotype × environment interaction effects on carcass traits in Japanese Black cattle, 1503
Identification of genetic markers for fat deposition and meat tenderness on bovine chromosome 5: Development of a low-density single nucleotide polymorphism map, 2280
Polymorphism of the pig *2,4-dienoyl CoA reductase 1* gene (*DECR1*) and its association with carcass and meat quality traits, 493
Carcass Value
Factors affecting carcass value and profitability in early-weaned Simmental steers: I. Five-year average pricing, 2918
Factors affecting carcass value and profitability in early-weaned Simmental steers: II. Days on feed endpoints and sorting strategies, 2926
Carcass Weight
Effect of withholding feed from swine before slaughter on carcass and viscera weights and meat quality, 715
Carcass Yield
The effect of ractopamine hydrochloride on lean carcass yields and pork quality characteristics, 2886
Carnitine
Effects of dietary supplementation with L-carnitine and fat on blood acid-base responses to handling in slaughter weight pigs, 75
L-Carnitine
Effects of L-carnitine on fetal growth and the IGF system in pigs, 1824
Caspase-3
Butyrate-induced apoptosis and cell cycle arrest in bovine kidney epithelial cells: Involvement of caspase and proteasome pathways, 89
Catfish
Effects of recombinant bovine somatotropin on growth and abundance of mRNA for IGF-I and IGF-II in channel catfish (*Ictalurus punctatus*), 816
Cattle
A new single nucleotide polymorphism in *CAPN1* extends the current tenderness marker test to include cattle of *Bos indicus*, *Bos taurus*, and crossbred descent, 2001
Concentrations of fecal bacteria and nutrients in soil surrounding round-bale feeding sites, 1673
Duration of restraint and isolation stress as a model to study the dark-cutting condition in cattle, 1202
Effect of diets containing linoleic acid- or oleic acid-rich oils on ruminal fermentation and nutrient digestibility, and performance and fatty acid composition of adipose and muscle tissues of finishing cattle, 1312
Effect of restricted forage intake on ruminal disappearance of bromegrass hay and a blood meal, feather meal, and fish meal supplement, 2146
Effects of adding valerate, caproate, and heptanoate to ruminal buffers on splanchnic metabolism in steers under washed-rumen conditions, 1899
Effects of choline on blood metabolites associated with lipid metabolism and digestion by steers fed corn-based diets, 1625
Effects of cooked molasses blocks and fermentation extract or brown seaweed meal inclusion on intake, digestion, and microbial efficiency in steers fed low-quality hay, 2938
Effects of dried full-fat corn germ and vitamin E on growth performance and carcass characteristics of finishing cattle, 2440
Effects of grazing residues or feeding corn from a corn rootworm-protected hybrid (MON 863) compared with reference hybrids on animal performance and carcass characteristics, 2826
Effects of novel females and stage of the estrous cycle on sexual behavior in mature beef bulls, 613
Effects of pasteurization of potato slurry by-product fed in corn- or barley-based beef finishing diets, 2806
Effects of stocking and nitrogen fertilization rates on steers grazing dallisgrass-dominated pasture, 2235
Estimates of heat stress relief needs for Holstein dairy cows, 1377
Evaluation of ovulation rate and ovarian phenotype in puberal heifers from a cattle population selected for increased ovulation rate, 1839
Grazing and feedlot performance of yearling stocker cattle integrated with spring- and fall-calving beef cows in a year-round grazing system, 2696
Influence of dietary manganese on performance, lipid metabolism, and carcass composition of growing and finishing steers, 2434

Influence of fish oil supplementation on growth and immune system characteristics of cattle, 1097
Influence of protein supplementation frequency on cows consuming low-quality forage: Performance, grazing behavior, and variation in supplement intake, 1715
Intake, digestion, and N metabolism in steers fed endophyte-free, ergot alkaloid-producing endophyte-infected, or nonergot alkaloid-producing endophyte-infected fescue hay, 1179
Relationship between fecal crude protein concentration and diet organic matter digestibility in cattle, 1332
Ruminal ammonia load affects leucine utilization by growing steers, 2448
Technical Note: A dynamic model to predict the composition of fat-free matter gains in cattle, 1262
The physiological and production effects of increased dietary intake of vitamins E and C in feedlot cattle challenged with bovine herpesvirus 1, 2423
Cattle Performance
Polymorphisms in the bovine leptin promoter associated with serum leptin concentration, growth, feed intake, feeding behavior, and measures of carcass merit, 20
Cecum
Technical note: Improved technique for fitting pigs with steered ileocecal valve cannulas, 1563
Cell Biology
A method to establish co-cultures of myotubes and preadipocytes from collagenase digested neonatal pig semitendinosus muscles, 1010
Cell Culture
A method to establish co-cultures of myotubes and preadipocytes from collagenase digested neonatal pig semitendinosus muscles, 1010
Porcine preadipocyte proliferation and differentiation: A role for leptin?, 2066
Cell Cycle
Butyrate-induced apoptosis and cell cycle arrest in bovine kidney epithelial cells: Involvement of caspase and proteasome pathways, 89
Cell Proliferation
Expression of genes involved in regulation of cell turnover during milk stasis and lactation rescue in sow mammary glands, 2349
Cereal Grain
Effects of different cereal grains and ractopamine hydrochloride on performance, carcass characteristics, and fat quality in late-finishing pigs, 223
Cervus elaphus
Preorbital gland opening in red deer (*Cervus elaphus*) calves: Signal of hunger?, 124
c-fos
Induced expression of c-fos in the diencephalon and pituitary gland of goats following transportation, 1845
Chianina
Relationship between profitability and type traits and derivation of economic values for reproduction and survival traits in Chianina beef cows, 2043
Chicken Ovalbumin Upstream Promoter Transcription Factor 1
Isomer-specific regulation of differentiating pig preadipocytes by conjugated linoleic acids, 2096
Regulation of differentiating pig preadipocytes by retinoic acid, 98
Choline
Effects of choline on blood metabolites associated with lipid metabolism and digestion by steers fed corn-based diets, 1625
Chromium Propionate
Effects of chromium propionate on growth, carcass traits, and pork quality of growing-finishing pigs, 858
Chronic Wasting Disease
Prion biology relevant to bovine spongiform encephalopathy, 1455
Chuck
Intramuscular tenderness variation within four muscles of the beef chuck, 2835
Chuck Muscles
Evaluating consumer acceptability and willingness to pay for various beef chuck muscles, 2605
Climate
Estimates of heat stress relief needs for Holstein dairy cows, 1377
The effect of stage of growth and implant exposure on performance and carcass composition in steers, 108
Coarse Feed
Feed physical form and formic acid addition to the feed affect the gastrointestinal ecology and growth performance of growing pigs, 1287
Cobalt
Differential responses to dietary cobalt in finishing steers fed corn- versus barley-based diets, 2580
Codon 171
The incidence of genotypes at codon 171 of the prion protein gene (*PRNP*) in five breeds of sheep and production traits of ewes associated with those genotypes, 455
Collagen
Genetic parameter estimates of meat quality traits in Duroc pigs selected for average daily gain, longissimus muscle area, backfat thickness, and intramuscular fat content, 2058
Color
Effect of calcium chloride, zinc chloride, and water infusion on metmyoglobin reducing activity and fresh lamb color, 2189
Colostrum
High mineral and vitamin E intake by pregnant ewes lowers colostral immunoglobulin G absorption by the lamb, 871
Community Reaction
Newspaper coverage of controversies about large-scale swine facilities in rural communities in Illinois, 2705
Competition
Estimation of variance components including competitive effects of Large White growing gilts, 1241
Complementary DNA
Gene expression profiling of muscle tissue in Brahman steers during nutritional restriction, 1
Complex Plant Cell Wall
Improving the nutritional value of oat hulls for ruminant animals with pretreatment of a multienzyme cocktail: In vitro studies, 1133
Concentrate
Characteristics of lambs fed concentrates or grazed on ryegrass to traditional or heavy slaughter weights. II. Wholesale cuts and tissue accretion, 1345
Effect of rapid or gradual grain adaptation on subacute acidosis and feed intake by feedlot cattle, 1116
Concentrate-Finished
Comparison of characteristics of lambs fed concentrate or grazed on ryegrass to traditional or heavy slaughter weights. I. Production, carcass, and organoleptic characteristics, 679
Condensed Tannins
The effect of a condensed-tannin-containing forage on methane emission by goats, 182
Wheat pasture bloat dynamics, in vitro ruminal gas production, and potential bloat mitigation with condensed tannins, 1322
Conjugated Linoleic Acid
Effect of diets containing linoleic acid- or oleic acid-rich oils on ruminal fermentation and nutrient digestibility, and performance and fatty acid composition of adipose and muscle tissues of finishing cattle, 1312
Fatty acid indices of stearoyl-CoA desaturase do not reflect actual stearoyl-CoA desaturase enzyme activities in adipose tissues of beef steers finished with corn-, flaxseed-, or sorghum-based diets, 1153
Isomer-specific regulation of differentiating pig preadipocytes by conjugated linoleic acids, 2096
Supplemental safflower oil affects the fatty acid profile, including conjugated linoleic acid, of lamb, 2175
The fatty acid composition of muscle fat and subcutaneous adipose tissue of pasture-fed beef heifers: Influence of the duration of grazing, 1167
Constant Restriction
An iterative procedure for deriving selection indexes with constant restrictions, 2313
Consumer
Determining the optimum beef longissimus muscle size for retail consumers, 2598
Consumer Preference
Beef customer satisfaction: Factors affecting consumer evaluations of calcium chloride-injected top sirloin steaks when given instructions for preparation, 2869
Beef customer satisfaction: USDA quality grade and marination effects on consumer evaluations of top round steaks, 662

Consumers
Evaluating consumer acceptability and willingness to pay for various beef chuck muscles, 2605
Contemporary Groups
Semiparametric animal models via penalized splines as alternatives to models with contemporary groups, 2482
Control Population
Divergent selection for uterine capacity in rabbits. III. Responses in uterine capacity and its components estimated with a cryopreserved control population, 2308
Controversy
Newspaper coverage of controversies about large-scale swine facilities in rural communities in Illinois, 2705
Cooked Molasses Block
Effects of cooked molasses blocks and fermentation extract or brown seaweed meal inclusion on intake, digestion, and microbial efficiency in steers fed low-quality hay, 2938
Cookery Method
Beef customer satisfaction: USDA quality grade and marination effects on consumer evaluations of top round steaks, 662
Coolidge Effect
Effects of novel females and stage of the estrous cycle on sexual behavior in mature beef bulls, 613
Effects of sequential or group exposure to unrestrained estrual females on expression of sexual behavior in sexually experienced beef bulls, 1801
Copper
Effect of copper status, supplementation, and source on pituitary responsiveness to exogenous gonadotropin-releasing hormone in ovariectomized beef cows, 1812
Effects of copper oxide bolus administration or high-level copper supplementation on forage utilization and copper status in beef cattle, 2894
Copulation
Effects of sequential or group exposure to unrestrained estrual females on expression of sexual behavior in sexually experienced beef bulls, 1801
Corn
Comparison of yellow dent and NutriDense corn hybrids in swine diets, 2624
Effect of grain processing degree on intake, digestion, ruminal fermentation, and performance characteristics of steers fed medium-concentrate growing diets, 2815
Effects of grazing residues or feeding corn from a corn rootworm-protected hybrid (MON 863) compared with reference hybrids on animal performance and carcass characteristics, 2826
Methane emissions from feedlot cattle fed barley or corn diets, 653
Corn Hybrid
Corn hybrid affects in vitro and in vivo measures of nutrient digestibility in dog, 160
Corn Oil
Effects of rice bran oil on plasma lipid concentrations, lipoprotein composition, and glucose dynamics in mares, 2509
Corn Processing
Effect of cattle age, forage level, and corn processing on diet digestibility and feedlot performance, 705
Corn Residue
Effects of grazing residues or feeding corn from a corn rootworm-protected hybrid (MON 863) compared with reference hybrids on animal performance and carcass characteristics, 2826
Corn Silage
Effect of cutting height and genetics on composition, intake, and digestibility of corn silage, 1445
Corpora Lutea
Follicular development and maturation in gilts selected for an index of high ovulation rate and high prenatal survival, 130
Corpus Luteum
Evaluation of ovulation rate and ovarian phenotype in puberal heifers from a cattle population selected for increased ovulation rate, 1839
Correlation
Correlation between blood and milk serum leptin in goats and growth of their offspring, 1854
Genetic analysis of age at first service, return rate, litter size, and weaning-to-first service interval of gilts and sows, 41
Corticosteroid-Binding Globulin
Hepatic corticosteroid-binding globulin (CBG) messenger RNA expression and plasma CBG concentrations in young pigs in response to heat and social stress, 208
Cortisol
Breed and age affect baseline immune traits, cortisol, and performance in growing pigs, 2087
Duration of restraint and isolation stress as a model to study the dark-cutting condition in cattle, 1202
Effects of castration, tooth resection, or tail docking on plasma metabolites and stress hormones in young pigs, 216
Hepatic corticosteroid-binding globulin (CBG) messenger RNA expression and plasma CBG concentrations in young pigs in response to heat and social stress, 208
The effect of active immunization against adrenocorticotropic hormone on cortisol, β-endorphin, vocalization, and growth in pigs, 2372
Cost Analysis
Cost evaluation of the use of conventional and electronic identification and registration systems for the national sheep and goat populations in Spain, 1215
Country of Origin
Consumer sensory acceptance and value of domestic, Canadian, and Australian grass-fed beef steaks, 2863
Cow
An evaluation of production and economic efficiency of two beef systems from calving to slaughter, 694
Nutrient restriction differentially modulates the mammalian target of rapamycin signaling and the ubiquitin-proteasome system in skeletal muscle of cows and their fetuses, 117
Cow Indexes
Genetic evaluation of the ratio of calf weaning weight to cow weight, 794
Cows
Changes in gene expression of glucose transporters in lactating and nonlactating cows, 557
Efficacy of using a combination of rendered protein products as an undegradable intake protein supplement for lactating, winter-calving, beef cows fed bromegrass hay, 187
Influence of sward height, daily timing of concentrate supplementation, and restricted time for grazing on forage utilization by lactating beef cows, 1435
Nutritionally altering weight gain patterns of pregnant heifers and young cows changes the time that feed resources are offered without any differences in production, 916
Crabgrass
Ruminal in situ disappearance kinetics of dry matter and fiber in growing steers for common crabgrass forages sampled on seven dates in northern Arkansas, 1142
Creatine
Aerobic training, but not creatine supplementation, alters the gluteus medius muscle, 579
Cross Validation
Joint longitudinal modeling of age of dam and age of animal for growth traits in beef cattle, 2736
Crossbreeding
Estimation of genetic effects in the presence of multicollinearity in multibreed beef cattle evaluation, 1788
Crude Protein
Effect of phytase supplementation to a low- and a high-phytate diet for growing pigs on the digestibilities of crude protein, amino acids, and energy, 2130
Relationship between fecal crude protein concentration and diet organic matter digestibility in cattle, 1332
Crushing
Use of a crush-reducing device to decrease crushing of suckling piglets by sows, 1397
Curcumin
Effects of dietary quillaja saponin and curcumin on the performance and immune status of weaned piglets, 82
Cutting Height
Effect of cutting height and genetics on composition, intake, and digestibility of corn silage, 1445
Cycling Activity
Introduction of bulls at different days postpartum on resumption of ovarian cycling activity in primiparous beef cows, 2106
Cytoplasmic Inheritance
Lack of evidence for cytoplasmic effects for four traits of Polypay sheep, 552

D

Dairy Cattle
Factors associated with early and mid-to-late fetal loss in lactating and nonlactating Holstein cattle in a hot climate, 1017

Dairy Cows
Effect of carbohydrate source on ammonia utilization in lactating dairy cows, 408
Dark-Cutting Condition
Duration of restraint and isolation stress as a model to study the dark-cutting condition in cattle, 1202
Days on Feed
Factors affecting carcass value and profitability in early-weaned Simmental steers: II. Days on feed endpoints and sorting strategies, 2926
Days to Calving
Estimates of genetic correlations between days to calving and reproductive and weight traits in Nelore cattle, 1511
Degradable Protein
Efficacy of using a combination of rendered protein products as an undegradable intake protein supplement for lactating, winter-calving, beef cows fed bromegrass hay, 187
Degree of Doneness
Beef customer satisfaction: USDA quality grade and marination effects on consumer evaluations of top round steaks, 662
Denaturation
Duplication of the pale, soft, and exudative condition starting with normal postmortem pork, 2843
Deoxynivalenol
Effects of feeding a blend of grains naturally contaminated with *Fusarium* mycotoxins on feed intake, metabolism, and indices of athletic performance of exercised horses, 1267
Depletion
Changes in spermatogenesis and endocrine function in the ram testis due to irradiation and active immunization against luteinizing hormone-releasing hormone, 604
Developmental Instability
Measuring fluctuating asymmetry in fattening rabbits: A valid indicator of performance and housing quality?, 2645
Dexamethasone
Effect of dexamethasone, feeding time, and insulin infusion on leptin concentrations in stallions, 1875
DGAT1
Assessment of single nucleotide polymorphisms in genes residing on chromosomes 14 and 29 for association with carcass composition traits in *Bos indicus* cattle, 13
Diencephalon
Induced expression of c-fos in the diencephalon and pituitary gland of goats following transportation, 1845
Diet
Influence of dietary crude protein concentration and source on potential ammonia emissions from beef cattle manure, 722
Diet Composition
Incidence of puberty in beef heifers fed high- or low-starch diets for different periods before breeding, 2653
Diet Selection
Effects of γ-terpinene, terpinolene, α-copaene, and α-terpinene on consumption of alfalfa pellets by sheep, 1967
Dietary Fat
Effects of dietary supplementation with L-carnitine and fat on blood acid-base responses to handling in slaughter weight pigs, 75
Influence of fish oil supplementation on growth and immune system characteristics of cattle, 1097
Dietary Polyunsaturated Fatty Acids
Effects of dietary n-6 or n-3 polyunsaturated fatty acids protected or not against ruminal hydrogenation on plasma lipids and their susceptibility to peroxidation in fattening steers, 2162
Differentiation
Porcine preadipocyte proliferation and differentiation: A role for leptin?, 2066
Digestibility
Calcium, phosphorus, and amino acid digestibility in low-phytate corn, normal corn, and soybean meal by growing pigs, 2396
Chemical composition, protein quality, palatability, and digestibility of alternative protein sources for dogs, 2414
Effect of cutting height and genetics on composition, intake, and digestibility of corn silage, 1445
Effect of phytase supplementation to diets for weanling pigs on the digestibilities of crude protein, amino acids, and energy, 625
Effects of chemical hydrogenation of supplemental fat on relative apparent lipid digestibility in finishing swine, 1890
Evaluation of low-oligosaccharide, low-phytate whole soybeans and soybean meal in canine foods, 393
Influence of sward height, daily timing of concentrate supplementation, and restricted time for grazing on forage utilization by lactating beef cows, 1435
Nutrient digestibility in sheep fed diets containing Roundup Ready or conventional fodder beet, sugar beet, and beet pulp, 400
Digestibility Estimates
Relationship between fecal crude protein concentration and diet organic matter digestibility in cattle, 1332
Digestion
Corn hybrid affects in vitro and in vivo measures of nutrient digestibility in dog, 160
Dry matter intake and digestion of alfalfa harvested at sunset and sunrise, 262
Effect of grain processing degree on intake, digestion, ruminal fermentation, and performance characteristics of steers fed medium-concentrate growing diets, 2815
Effects of choline on blood metabolites associated with lipid metabolism and digestion by steers fed corn-based diets, 1625
Effects of cooked molasses blocks and fermentation extract or brown seaweed meal inclusion on intake, digestion, and microbial efficiency in steers fed low-quality hay, 2938
Effects of size of ingestively masticated fragments of plant tissues on kinetics of digestion of NDF, 1602
Models for estimating parameters of neutral detergent fiber digestion by ruminal microorganisms, 1591
Supplementing a ruminally undegradable protein supplement to maintain essential amino acid supply to the small intestine when forage intake is restricted in beef cattle, 2151
Digestive Tract
Feed physical form and formic acid addition to the feed affect the gastrointestinal ecology and growth performance of growing pigs, 1287
Discrimination
Repeated handling of pigs during rearing. I. Refusal of contact by the handler and reactivity to familiar and unfamiliar humans, 1653
Disease
Vitamin E supplementation of newly arrived feedlot calves, 1924
Disease Resistance
Genetic and environmental factors associated with incidence of infectious bovine keratoconjunctivitis in preweaned beef calves, 507
Influence of breed, heterozygosity, and disease incidence on estimates of variance components of respiratory disease in preweaned beef calves, 1247
Distiller's Grains
Meat quality responses to feeding distiller's grains to finishing Holstein steers, 2455
Distribution
Influence of protein supplementation frequency on cows consuming low-quality forage: Performance, grazing behavior, and variation in supplement intake, 1715
Diurnal Variation
Diurnal variation of ghrelin, leptin, and adiponectin in Standardbred mare, 2365
DNA Marker
Genetic evaluation using parentage information from genetic markers, 2271
DNA Markers
Evidence of a new leukemia inhibitory factor-associated genetic marker for litter size in a synthetic pig line, 2264
Docosahexaenoic Acid
Effect of docosahexaenoic acid and arachidonic acid on the expression of adipocyte determination and differentiation-dependent factor 1 in differentiating porcine adipocytes, 1516
Dog
Chemical composition, protein quality, palatability, and digestibility of alternative protein sources for dogs, 2414
Corn hybrid affects in vitro and in vivo measures of nutrient digestibility in dog, 160
Dogs
Evaluation of low-oligosaccharide, low-phytate whole soybeans and soybean meal in canine foods, 393
Dominance
Estimation of genetic effects in the presence of multicollinearity in multibreed beef cattle evaluation, 1788
DQA2
Polymorphism of the *DQA2* gene in goats, 963

Dried Full-Fat Corn Germ
Effects of dried full-fat corn germ and vitamin E on growth performance and carcass characteristics of finishing cattle, 2440
Drinking Behavior
Water intake and wastage at nipple drinkers by growing-finishing pigs, 1413
Dry Matter Intake
The effect of milk intake on forage intake and growth of nursing calves, 940
Duroc Pigs
Genetic parameter estimates of meat quality traits in Duroc pigs selected for average daily gain, longissimus muscle area, backfat thickness, and intramuscular fat content, 2058

E

Ear Tag
Cost evaluation of the use of conventional and electronic identification and registration systems for the national sheep and goat populations in Spain, 1215
Use of ear tags and injectable transponders for the identification and traceability of pigs from birth to the end of the slaughter line, 2215
Early Growth
Genetic parameters estimated with multi-trait and linear spline-random regression models using Gelbvieh early growth data, 757
Early Weaning
Comparison of an early and normal weaning management system on cow and calf performance while grazing endophyte-infected tall fescue pastures, 478
Growth rate, body composition, and meat tenderness in early vs. traditionally weaned beef calves, 2752
Economic Values
Relationship between profitability and type traits and derivation of economic values for reproduction and survival traits in Chianina beef cows, 2043
Economic Weights
Breeding for societally important traits in pigs, 948
Economics
An evaluation of production and economic efficiency of two beef systems from calving to slaughter, 694
Evaluating consumer acceptability and willingness to pay for various beef chuck muscles, 2605
Effective Population Size
Changes in inbreeding of U.S. Herefords during the twentieth century, 992
Effective Ruminal Degradation
Effect of restricted forage intake on ruminal disappearance of bromegrass hay and a blood meal, feather meal, and fish meal supplement, 2146
Efficiency
Influence of body weight, age, and weight gain on fertility and prolificacy in four breeds of ewe lambs, 1680
Electronic Identification
Cost evaluation of the use of conventional and electronic identification and registration systems for the national sheep and goat populations in Spain, 1215
Use of ear tags and injectable transponders for the identification and traceability of pigs from birth to the end of the slaughter line, 2215
Element
High mineral and vitamin E intake by pregnant ewes lowers colostral immunoglobulin G absorption by the lamb, 871
Embryo
Allelic variation in the secreted folate binding protein gene is associated with uterine capacity in swine, 1860
Emissions
Influence of dietary crude protein concentration and source on potential ammonia emissions from beef cattle manure, 722
Endophytes
Intake, digestion, and N metabolism in steers fed endophyte-free, ergot alkaloid-producing endophyte-infected, or nonergot alkaloid-producing endophyte-infected fescue hay, 1179
β-Endorphin
The effect of active immunization against adrenocorticotropic hormone on cortisol, β-endorphin, vocalization, and growth in pigs, 2372
Energy
Comparison of yellow dent and NutriDense corn hybrids in swine diets, 2624
Effect of phytase supplementation to diets for weanling pigs on the digestibilities of crude protein, amino acids, and energy, 625
Effect of sow parity and weight at service on target maternal weight and energy for gain in gestation, 255
Effects of varying energy intake and sire breed on duration of postpartum anestrus, insulin like growth factor-1, and growth hormone in mature crossbred cows, 1705
Splanchnic metabolism of nutrients and hormones in steers fed alfalfa under conditions of increased absorption of ammonia and L-arginine supply across the portal-drained viscera, 1088
Energy Efficiency
Comparing efficiency of metabolizable energy utilization by rainbow trout (*Oncorhynchus mykiss*) and Atlantic salmon (*Salmo salar*) using factorial and multivariate approaches, 842
Energy Expenditure
The effect of a condensed-tannin-containing forage on methane emission by goats, 182
Energy Requirements
Comparing efficiency of metabolizable energy utilization by rainbow trout (*Oncorhynchus mykiss*) and Atlantic salmon (*Salmo salar*) using factorial and multivariate approaches, 842
Energy Source
Pigs weaned from the sow at 10 days of age respond to dietary energy source of manufactured liquid diets and exogenous porcine somatotropin, 1002
Environment
Behavior, preference for, and use of alfalfa, tall fescue, white clover, and buffalograss by pregnant gilts in an outdoor production system, 2225
Concentrations of fecal bacteria and nutrients in soil surrounding round-bale feeding sites, 1673
Environmental Enrichment
Measuring fluctuating asymmetry in fattening rabbits: A valid indicator of performance and housing quality?, 2645
Enzyme
Effect of a short-term fast on intestinal disaccharidase activity and villus morphology of piglets suckling insulin-like growth factor-I transgenic sows, 2404
Epistatic Loss
Additive, dominance, and epistatic loss effects on preweaning weight gain of crossbred beef cattle from different *Bos taurus* breeds, 1780
Estimation of genetic effects in the presence of multicollinearity in multibreed beef cattle evaluation, 1788
Equine
Effects of short-term feed deprivation and melatonin implants on circadian patterns of leptin in the horse, 1023
Ergot Alkaloids
Effect of endophyte type on carcass traits, meat quality, and fatty acid composition of beef cattle grazing tall fescue, 430
Errors
Identification of errors and factors associated with errors in data from electronic swine feeders, 969
Erythropoiesis
Allelic variation in the secreted folate binding protein gene is associated with uterine capacity in swine, 1860
Escherichia coli
Escherichia coli phytase improves growth performance of starter, grower, and finisher pigs fed phosphorus-deficient diets, 1882
Escherichia coli K88$^+$
Effect of glutamine and spray-dried plasma on growth performance, small intestinal morphology, and immune responses of *Escherichia coli* K88$^+$-challenged weaned pigs, 634
Escherichia coli nir-Ptac
Effect of *Escherichia coli* wild type or its derivative with high nitrite reductase activity on in vitro ruminal methanogenesis and nitrate/nitrite reduction, 644
Escherichia coli W3110
Effect of *Escherichia coli* wild type or its derivative with high nitrite reductase activity on in vitro ruminal methanogenesis and nitrate/nitrite reduction, 644
Estradiol
The effect of stage of growth and implant exposure on performance and carcass composition in steers, 108

Estrogen
Follicular development and maturation in gilts selected for an index of high ovulation rate and high prenatal survival, 130
Estrus
Effect of age and physical or fence-line boar exposure on estrus and ovulation response in prepubertal gilts administered PG600, 460
Estrus Synchronization
A comparison of progestin-based protocols to synchronize ovulation and facilitate fixed-time artificial insemination in postpartum beef cows, 136
Expected Progeny Differences
Phenotypic ranges and relationships among carcass and meat palatability traits for fourteen cattle breeds, and heritabilities and expected progeny differences for Warner-Bratzler shear force in three beef cattle breeds, 2461
Extra Credit
Encouraging science reading beyond the curriculum, 1972

F

Farm
A beef herd model for simulating feed intake, animal performance, and manure excretion in farm systems, 231
Farrowing Mortality
Threshold-linear estimation of genetic parameters for farrowing mortality, litter size, and test performance of Large White sows, 499
Fasting
Effect of a short-term fast on intestinal disaccharidase activity and villus morphology of piglets suckling insulin-like growth factor-I transgenic sows, 2404
Fat
Characteristics of lambs fed concentrates or grazed on ryegrass to traditional or heavy slaughter weights. II. Wholesale cuts and tissue accretion, 1345
Comparison of characteristics of lambs fed concentrate or grazed on ryegrass to traditional or heavy slaughter weights. I. Production, carcass, and organoleptic characteristics, 679
Comparison of yellow dent and NutriDense corn hybrids in swine diets, 2624
Effect of dietary α-lipoic acid on growth, body composition, muscle pH, and AMP-activated protein kinase phosphorylation in mice, 2611
Effects of dried full-fat corn germ and vitamin E on growth performance and carcass characteristics of finishing cattle, 2440
Effects of supplementation of whole corn germ on reproductive performance, calf performance, and leptin concentration in primiparous and mature beef cows, 2663
Expression of adiponectin and its receptors in swine, 565
Fat Quality
Effects of different cereal grains and ractopamine hydrochloride on performance, carcass characteristics, and fat quality in late-finishing pigs, 223
Fat Supplementation
Supplemental safflower oil affects the fatty acid profile, including conjugated linoleic acid, of lamb, 2175
Fat-Free Lean
Effects of ractopamine on performance and composition of pigs phenotypically sorted into fat and lean groups, 1361
Fatness
Effect of the porcine *IGF2*-intron3-G3072A substitution in an outbred Large White population and in an Iberian × Landrace cross, 2723
Exclusion of the swine leukocyte antigens as candidate region and reduction of the position interval for the *Sus scrofa* chromosome 7 QTL affecting growth and fatness, 1979
Large-scale, multibreed, multitrait analyses of quantitative trait loci experiments: The case of porcine X chromosome, 2289
Polymorphisms in the bovine leptin promoter associated with serum leptin concentration, growth, feed intake, feeding behavior, and measures of carcass merit, 20
Fattening Steers
Effects of dietary n-6 or n-3 polyunsaturated fatty acids protected or not against ruminal hydrogenation on plasma lipids and their susceptibility to peroxidation in fattening steers, 2162
Fatty Acid Profile
Supplemental safflower oil affects the fatty acid profile, including conjugated linoleic acid, of lamb, 2175
Fatty Acid Synthase
Effect of docosahexaenoic acid and arachidonic acid on the expression of adipocyte determination and differentiation-dependent factor 1 in differentiating porcine adipocytes, 1516
Fatty Acids
Effect of dietary fish oil substitution with linseed oil on the performance, tissue fatty acid profile, metabolism, and oxidative stability of Atlantic salmon, 2853
Polymorphism of the pig *2,4-dienoyl CoA reductase 1* gene (*DECR1*) and its association with carcass and meat quality traits, 493
The fatty acid composition of muscle fat and subcutaneous adipose tissue of pasture-fed beef heifers: Influence of the duration of grazing, 1167
Fecal
Fructooligosaccharide supplementation in the yearling horse: Effects on fecal pH, microbial content, and volatile fatty acid concentrations, 1549
Fecal Bacteria
Concentrations of fecal bacteria and nutrients in soil surrounding round-bale feeding sites, 1673
Fecal Composition
Relationship between fecal crude protein concentration and diet organic matter digestibility in cattle, 1332
Feces
Relationship between fecal crude protein concentration and diet organic matter digestibility in cattle, 1332
Feed
An improved method for a rapid determination of phytase activity in animal feed, 1062
Effect of withholding feed from swine before slaughter on carcass and viscera weights and meat quality, 715
Feed Deprivation
Effects of short-term feed deprivation and melatonin implants on circadian patterns of leptin in the horse, 1023
Feed Efficiency
Level of supplemental protein does not influence the ruminally undegradable protein value, 863
Feed Intake
Estimates of genetic parameters for feed intake, feeding behavior, and daily gain in composite ram lambs, 777
Feed Withdrawal
Effect of feed withdrawal and handling intensity on longissimus muscle glycolytic potential and blood measurements in slaughter weight pigs, 1536
Feeding
Effect of dexamethasone, feeding time, and insulin infusion on leptin concentrations in stallions, 1875
Feeding Sites
Concentrations of fecal bacteria and nutrients in soil surrounding round-bale feeding sites, 1673
Feedlot
Effect of cattle age, forage level, and corn processing on diet digestibility and feedlot performance, 705
Effects of pasteurization of potato slurry by-product fed in corn- or barley-based beef finishing diets, 2806
Feedlot Cattle
Factors affecting carcass value and profitability in early-weaned Simmental steers: I. Five-year average pricing, 2918
Factors affecting carcass value and profitability in early-weaned Simmental steers: II. Days on feed endpoints and sorting strategies, 2926
Feedyards
Influence of dietary crude protein concentration and source on potential ammonia emissions from beef cattle manure, 722
Fermentation
Effects of pasteurization of potato slurry by-product fed in corn- or barley-based beef finishing diets, 2806
Screening for the effects of natural plant extracts at different pH on in vitro rumen microbial fermentation of a high-concentrate diet for beef cattle, 2572
Fermentation Extract
Effects of cooked molasses blocks and fermentation extract or brown seaweed meal inclusion on intake, digestion, and microbial efficiency in steers fed low-quality hay, 2938

Fertility
Evaluation of ovulation rate and ovarian phenotype in puberal heifers from a cattle population selected for increased ovulation rate, 1839
Genetic parameters of fertility in two lines of rabbits with different reproductive potential, 340
Fertility Rate
Evaluation of Dorset, Finnsheep, Romanov, Texel, and Montadale breeds of sheep: V. Reproduction of F_1 ewes in spring mating seasons, 2743
Ferulic Acid Esterase
Improving the nutritional value of oat hulls for ruminant animals with pretreatment of a multienzyme cocktail: In vitro studies, 1133
Feruloyl-Polysaccharides
Improving the nutritional value of oat hulls for ruminant animals with pretreatment of a multienzyme cocktail: In vitro studies, 1133
Fescue arundinacea
Effect of rotation frequency and weaning date on forage measurements and growth performance by cows and calves grazing endophyte-infected tall fescue pastures overseeded with crabgrass and legumes, 2684
Fescue Toxicosis
Intake, digestion, and N metabolism in steers fed endophyte-free, ergot alkaloid-producing endophyte-infected, or nonergot alkaloid-producing endophyte-infected fescue hay, 1179
Festuca arundinacea
Intake, digestion, and N metabolism in steers fed endophyte-free, ergot alkaloid-producing endophyte-infected, or nonergot alkaloid-producing endophyte-infected fescue hay, 1179
Fetal Loss
Factors associated with early and mid-to-late fetal loss in lactating and nonlactating Holstein cattle in a hot climate, 1017
Fetus
Allelic variation in the secreted folate binding protein gene is associated with uterine capacity in swine, 1860
Changes in weight and composition in various tissues of pregnant gilts and their nutritional implication, 366
Nutrient restriction differentially modulates the mammalian target of rapamycin signaling and the ubiquitin-proteasome system in skeletal muscle of cows and their fetuses, 117
Fiber
Ruminal in situ disappearance kinetics of dry matter and fiber in growing steers for common crabgrass forages sampled on seven dates in northern Arkansas, 1142
Filtration
An improved method for a rapid determination of phytase activity in animal feed, 1062
Finishing
Effects of grazing residues or feeding corn from a corn rootworm-protected hybrid (MON 863) compared with reference hybrids on animal performance and carcass characteristics, 2826
Finishing Bulls
Behavior, physiology, and performance of bulls mixed at the onset of finishing to form uniform body weight groups, 1696
Finishing Pig
Lysine requirement of finishing pigs administered porcine somatotropin by sustained-release implant, 2789
Finishing Systems
Grazing and feedlot performance of yearling stocker cattle integrated with spring- and fall-calving beef cows in a year-round grazing system, 2696
Fish Meal
Fish meal supplementation alters uterine prostaglandin $F_{2\alpha}$ synthesis in beef heifers with low luteal-phase progesterone, 1832
Fish Oil
Influence of fish oil supplementation on growth and immune system characteristics of cattle, 1097
Fixed-Time Artificial Insemination
A comparison of progestin-based protocols to synchronize ovulation and facilitate fixed-time artificial insemination in postpartum beef cows, 136
Flavor
Flavor characterization of top-blade, top-sirloin, and tenderloin steaks as affected by pH, maturity, and marbling, 2618
Fluctuating Asymmetry
Measuring fluctuating asymmetry in fattening rabbits: A valid indicator of performance and housing quality?, 2645
Folate
Allelic variation in the secreted folate binding protein gene is associated with uterine capacity in swine, 1860
Follicles
Follicular development and maturation in gilts selected for an index of high ovulation rate and high prenatal survival, 130
Food Safety
Effect of water sprinkling on incidence of zoonotic pathogens in feedlot cattle, 1959
Forage
Behavior, preference for, and use of alfalfa, tall fescue, white clover, and buffalograss by pregnant gilts in an outdoor production system, 2225
Characteristics of lambs fed concentrates or grazed on ryegrass to traditional or heavy slaughter weights. II. Wholesale cuts and tissue accretion, 1345
Effect of cattle age, forage level, and corn processing on diet digestibility and feedlot performance, 705
Effect of rotation frequency and weaning date on forage measurements and growth performance by cows and calves grazing endophyte-infected tall fescue pastures overseeded with crabgrass and legumes, 2684
Efficacy of using a combination of rendered protein products as an undegradable intake protein supplement for lactating, winter-calving, beef cows fed bromegrass hay, 187
Forage Allowance
Wheat pasture bloat dynamics, in vitro ruminal gas production, and potential bloat mitigation with condensed tannins, 1322
Forage-Finished
Comparison of characteristics of lambs fed concentrate or grazed on ryegrass to traditional or heavy slaughter weights. I. Production, carcass, and organoleptic characteristics, 679
Forage Intake
Non-steady-state modeling of effects of timing and level of concentrate supplementation on ruminal pH and forage intake in high-producing, grazing ewes, 1102
The effect of milk intake on forage intake and growth of nursing calves, 940
Forage Utilization
Effects of copper oxide bolus administration or high-level copper supplementation on forage utilization and copper status in beef cattle, 2894
Formic Acid
Feed physical form and formic acid addition to the feed affect the gastrointestinal ecology and growth performance of growing pigs, 1287
Fructooligosaccharide
Fructooligosaccharide supplementation in the yearling horse: Effects on fecal pH, microbial content, and volatile fatty acid concentrations, 1549
Fumonisin B_1
Activated carbon does not prevent the toxicity of culture material containing fumonisin B_1 when fed to weanling piglets, 1939
Fusaric Acid
Effects of feeding a blend of grains naturally contaminated with *Fusarium* mycotoxins on feed intake, metabolism, and indices of athletic performance of exercised horses, 1267
Fusarium
Effects of feeding a blend of grains naturally contaminated with *Fusarium* mycotoxins on feed intake, metabolism, and indices of athletic performance of exercised horses, 1267
Fusion Protein
Luteinizing hormone-releasing hormone fusion protein vaccines block estrous cycle activity in beef heifers, 152

G

Gain
Comparison of an early and normal weaning management system on cow and calf performance while grazing endophyte-infected tall fescue pastures, 478
GATA-Binding Protein 4
Testicular development of Zebu bulls after chronic treatment with a gonadotropin-releasing hormone agonist, 2111
Gelatinization
Effects of pasteurization of potato slurry by-product fed in corn- or barley-based beef finishing diets, 2806

Gene Expression
Effect of testosterone on insulin-like growth factor-I, androgen receptor, and myostatin gene expression in splenius and semitendinosus muscles in sheep, 803
Effects of grazing program and subsequent finishing on gene expression in different adipose tissue depots in beef steers, 1914
Expression of genes involved in regulation of cell turnover during milk stasis and lactation rescue in sow mammary glands, 2349
Gene expression profiling of muscle tissue in Brahman steers during nutritional restriction, 1
The heritability of the expression of two stress-regulated gene fragments in pigs, 1753
Gene Transcription
Differentially transcribed genes in skeletal muscle of Duroc and Taoyuan pigs, 2075
Generalized Procedure
A simultaneous procedure for deriving selection indexes with multiple restrictions, 531
Genetic Analysis
Relationship between profitability and type traits and derivation of economic values for reproduction and survival traits in Chianina beef cows, 2043
Genetic Correlation
Genetic analysis of carcass traits of steers adjusted to age, weight, or fat thickness slaughter endpoints, 764
Genetic Correlations
Genetic relationship between milk score and litter weight for Targhee, Columbia, Rambouillet, and Polypay sheep, 786
Threshold-linear estimation of genetic parameters for farrowing mortality, litter size, and test performance of Large White sows, 499
Genetic Distance
Testing the usefulness of the molecular coancestry information to assess genetic relationships in livestock using a set of Spanish sheep breeds, 737
Genetic Diversity
Changes in inbreeding of U.S. Herefords during the twentieth century, 992
Genetic Effects
Estimation of direct and maternal genetic and permanent environmental effects for weights from birth to 356 days of age in a herd of Japanese Black cattle using random regression, 519
Estimation of variance components including competitive effects of Large White growing gilts, 1241
Genetic Evaluation
Estimation of genetic effects in the presence of multicollinearity in multibreed beef cattle evaluation, 1788
Genetic evaluation using parentage information from genetic markers, 2271
Genetic Gain
Effects of genotype × environment interaction on genetic gain in breeding programs, 49
Genetic evaluation of the ratio of calf weaning weight to cow weight, 794
Genetic Markers
A new single nucleotide polymorphism in *CAPN1* extends the current tenderness marker test to include cattle of *Bos indicus*, *Bos taurus*, and crossbred descent, 2001
Genetic Parameter
Genetic parameters for a maternal breeding goal in beef production, 2319
Genetic Parameters
Additive, dominance, and epistatic loss effects on preweaning weight gain of crossbred beef cattle from different *Bos taurus* breeds, 1780
Divergent selection for uterine capacity in rabbits. I. Genetic parameters and response to selection, 2297
Estimates of genetic parameters for feed intake, feeding behavior, and daily gain in composite ram lambs, 777
Estimation of correlation between maternal permanent environmental effects of related dams in beef cattle, 537
Genetic parameter estimates of meat quality traits in Duroc pigs selected for average daily gain, longissimus muscle area, backfat thickness, and intramuscular fat content, 2058
Genetic parameters estimated with multi-trait and linear spline-random regression models using Gelbvieh early growth data, 757
Genetic parameters for carcass composition and pork quality estimated in a commercial production chain, 324
Genetic parameters of fertility in two lines of rabbits with different reproductive potential, 340
Incidence of splayleg pigs in Nebraska litter size selection lines, 34
Selection for placental efficiency in swine: Genetic parameters and trends, 983
Unexpected estimates of variance components with a true model containing genetic competition effects, 68
Genetic Relationship
Genetic structure of pig breeds from Korea and China using microsatellite loci analysis, 2255
Genetic Structure
Genetic structure of pig breeds from Korea and China using microsatellite loci analysis, 2255
Genetic Variation
Biological responses to porcine respiratory and reproductive syndrome virus in pigs of two genetic populations, 1494
Genetics
Phenotypic ranges and relationships among carcass and meat palatability traits for fourteen cattle breeds, and heritabilities and expected progeny differences for Warner-Bratzler shear force in three beef cattle breeds, 2461
Genotype
The incidence of genotypes at codon 171 of the prion protein gene (*PRNP*) in five breeds of sheep and production traits of ewes associated with those genotypes, 455
Genotype × Environment Interaction
Effects of genotype × environment interaction on genetic gain in breeding programs, 49
Genotype × environment interaction effects on carcass traits in Japanese Black cattle, 1503
Geographical Region
Comparison of dietary selenium fed to grower-finisher pigs from various regions of the United States on resulting tissue Se and loin mineral concentrations, 852
Germ Cell
Changes in spermatogenesis and endocrine function in the ram testis due to irradiation and active immunization against luteinizing hormone-releasing hormone, 604
Gestation
Changes in weight and composition in various tissues of pregnant gilts and their nutritional implication, 366
Effect of sow parity and weight at service on target maternal weight and energy for gain in gestation, 255
Ghrelin
Diurnal variation of ghrelin, leptin, and adiponectin in Standardbred mare, 2365
Gilt
Changes in weight and composition in various tissues of pregnant gilts and their nutritional implication, 366
Effect of P.G. 600 on the timing of ovulation in gilts treated with altrenogest, 1690
Exogenous prolactin stimulates mammary development and alters expression of prolactin-related genes in prepubertal gilts, 825
Gilts
Effect of age and physical or fence-line boar exposure on estrus and ovulation response in prepubertal gilts administered PG600, 460
β-Glucan
Effects of β-glucan obtained from the Chinese herb *Astragalus membranaceus* and lipopolysaccharide challenge on performance, immunological, adrenal, and somatotropic responses of weanling pigs, 2775
Glucose Transporter
Changes in gene expression of glucose transporters in lactating and nonlactating cows, 557
Glufosinate
Glufosinate herbicide-tolerant (LibertyLink) rice vs. conventional rice in diets for growing-finishing swine, 1068
Glutamine
Effect of glutamine and spray-dried plasma on growth performance, small intestinal morphology, and immune responses of *Escherichia coli* K88$^+$-challenged weaned pigs, 634
Gluteus Medius
Aerobic training, but not creatine supplementation, alters the gluteus medius muscle, 579
Glycemic Meals
Insulin resistance and compensation in Thoroughbred weanlings adapted to high-glycemic meals, 2357

Glycogen
Preslaughter handling effects on pork quality and glycolytic potential in two muscles differing in fiber type composition, 900
Glycolysis
Effect of dietary α-lipoic acid on growth, body composition, muscle pH, and AMP-activated protein kinase phosphorylation in mice, 2611
Glycolytic Potential
Effect of feed withdrawal and handling intensity on longissimus muscle glycolytic potential and blood measurements in slaughter weight pigs, 1536
Goat
Induced expression of c-fos in the diencephalon and pituitary gland of goats following transportation, 1845
Polymorphism of the *DQA2* gene in goats, 963
Technical Note: Transcervical deep cornual insemination of goats, 1543
Goats
Dry matter intake and digestion of alfalfa harvested at sunset and sunrise, 262
The effect of a condensed-tannin-containing forage on methane emission by goats, 182
Gonadotropin
Effect of P.G. 600 on the timing of ovulation in gilts treated with altrenogest, 1690
Gonadotropin-Releasing Hormone
Effect of copper status, supplementation, and source on pituitary responsiveness to exogenous gonadotropin-releasing hormone in ovariectomized beef cows, 1812
Testicular development of Zebu bulls after chronic treatment with a gonadotropin-releasing hormone agonist, 2111
Grain Adaptation
Effect of rapid or gradual grain adaptation on subacute acidosis and feed intake by feedlot cattle, 1116
Grain-Fed
Consumer sensory acceptance and value of domestic, Canadian, and Australian grass-fed beef steaks, 2863
Granulosa Cells
The role of thecal androgen production in the regulation of estradiol biosynthesis by dominant bovine follicles during the first follicular wave, 597
Grass-Fed
Consumer sensory acceptance and value of domestic, Canadian, and Australian grass-fed beef steaks, 2863
Grassland
Seasonal changes in weight and body composition of yak grazing on alpine-meadow grassland in the Qinghai-Tibetan Plateau of China, 1908
Grazing
Behavior, preference for, and use of alfalfa, tall fescue, white clover, and buffalograss by pregnant gilts in an outdoor production system, 2225
The fatty acid composition of muscle fat and subcutaneous adipose tissue of pasture-fed beef heifers: Influence of the duration of grazing, 1167
Grazing Behavior
Influence of protein supplementation frequency on cows consuming low-quality forage: Performance, grazing behavior, and variation in supplement intake, 1715
Greenhouse Gases
Methane emissions from feedlot cattle fed barley or corn diets, 653
Ground Cover
Behavior, preference for, and use of alfalfa, tall fescue, white clover, and buffalograss by pregnant gilts in an outdoor production system, 2225
Growing Cattle
Changes in ruminal fermentation and protein degradation in growing Holstein heifers from 80 to 250 kg fed high-concentrate diets with different forage-to-concentrate ratios, 1616
Growing Pigs
Feed physical form and formic acid addition to the feed affect the gastrointestinal ecology and growth performance of growing pigs, 1287
Growth
Comparison of growth performance and zinc absorption, retention, and excretion in weanling pigs fed diets supplemented with zinc-polysaccharide or zinc oxide, 2380
Correlation between blood and milk serum leptin in goats and growth of their offspring, 1854
Effect of microbial phytase addition with or without the trace mineral premix in nursery, growing, and finishing pig diets, 376
Effect of the porcine *IGF2*-intron3-G3072A substitution in an outbred Large White population and in an Iberian × Landrace cross, 2723
Effects of dietary quillaja saponin and curcumin on the performance and immune status of weaned piglets, 82
Effects of iron supplementation on binding activity of iron regulatory proteins and the subsequent effect on growth performance and indices of hematological and mineral status of young pigs, 2137
Effects of proportion of pigs removed from a group and subsequent floor space on growth performance of finishing pigs, 449
Effects of ractopamine on performance and composition of pigs phenotypically sorted into fat and lean groups, 1361
Estimation of direct and maternal genetic and permanent environmental effects for weights from birth to 356 days of age in a herd of Japanese Black cattle using random regression, 519
Estimation of the ideal ratio of true ileal digestible sulfur amino acids:lysine in 8- to 26-kg nursery pigs, 2527
Estimation of variance components including competitive effects of Large White growing gilts, 1241
Evaluation of approaches to detect quantitative trait loci for growth, carcass, and meat quality on swine chromosomes 2, 6, 13, and 18. I. Univariate outbred F_2 and sib-pair analyses, 1481
Evaluation of approaches to detect quantitative trait loci for growth, carcass, and meat quality on swine chromosomes 2, 6, 13, and 18. II. Multivariate and principal component analyses, 2471
Exclusion of the swine leukocyte antigens as candidate region and reduction of the position interval for the *Sus scrofa* chromosome 7 QTL affecting growth and fatness, 1979
Genetic and environmental factors associated with incidence of infectious bovine keratoconjunctivitis in preweaned beef calves, 507
Growth rate, body composition, and meat tenderness in early vs. traditionally weaned beef calves, 2752
Influence of breed, heterozygosity, and disease incidence on estimates of variance components of respiratory disease in preweaned beef calves, 1247
Influence of dietary manganese on performance, lipid metabolism, and carcass composition of growing and finishing steers, 2434
Influence of starch intake on growth and skeletal development of weanling horses, 1033
Large-scale, multibreed, multitrait analyses of quantitative trait loci experiments: The case of porcine X chromosome, 2289
Performance of growing-finishing pigs fed diets containing YieldGard Rootworm corn (MON 863), a nontransgenic genetically similar corn, or conventional corn hybrids, 1581
Ruminal ammonia load affects leucine utilization by growing steers, 2448
Studies on multiple trait and random regression models for genetic evaluation of beef cattle for growth, 62
The effect of active immunization against adrenocorticotropic hormone on cortisol, β-endorphin, vocalization, and growth in pigs, 2372
The effects of weaning beef calves in two stages on their behavior and growth rate, 2205
Threshold-linear estimation of genetic parameters for farrowing mortality, litter size, and test performance of Large White sows, 499
Growth Differentiation Factor 8
A directed search in the region of GDF8 for quantitative trait loci affecting carcass traits in Texel sheep, 1988
Meat quality traits were unaffected by a quantitative trait locus affecting leg composition traits in Texel sheep, 2729
Growth Factors
Growth hormone at breeding modifies conceptus development and postnatal growth in sheep, 810
Growth Hormone
Effects of varying energy intake and sire breed on duration of postpartum anestrus, insulin like growth factor-1, and growth hormone in mature crossbred cows, 1705
Growth hormone at breeding modifies conceptus development and postnatal growth in sheep, 810
Multiple effects of an additional growth hormone gene in adult sheep, 1868

Growth Performance
Effects of grouping unfamiliar cohorts, high ambient temperature and stocking density on live performance of growing pigs, 908
Growth Rate
Carcass composition, bone mechanical properties, and meat quality traits in relation to growth rate in rabbits, 1526

H

Halothane
The effects of halothane sensitivity on carcass composition and meat quality in HAL-1843-normal pigs, 671
Handling
Effect of feed withdrawal and handling intensity on longissimus muscle glycolytic potential and blood measurements in slaughter weight pigs, 1536
Effects of dietary supplementation with L-carnitine and fat on blood acid-base responses to handling in slaughter weight pigs, 75
Repeated handling of pigs during rearing. I. Refusal of contact by the handler and reactivity to familiar and unfamiliar humans, 1653
Repeated handling of pigs during rearing. II. Effect of reactivity to humans on aggression during mixing and on meat quality, 1664
Haplotype
Identification of genetic markers for fat deposition and meat tenderness on bovine chromosome 5: Development of a low-density single nucleotide polymorphism map, 2280
Haplotype Analysis
Association of single nucleotide polymorphisms, in the leptin gene with carcass and meat quality traits of beef cattle, 2009
Health
Breeding for societally important traits in pigs, 948
Multiple effects of an additional growth hormone gene in adult sheep, 1868
Heart
Characterization of porcine β_1- and β_2-adrenergic receptors in heart, skeletal muscle, and adipose tissue, and the identification of an atypical β-adrenergic binding site, 2339
Heat
A model of fescue toxicosis: Responses of rats to intake of endophyte-infected tall fescue, 1423
Heat Production
Measurements of heat production for estimation of maintenance energy requirements of Hereford steers, 2590
Heat Stress
Diet modifications to improve finishing pig growth performance and pork quality attributes during periods of heat stress, 243
Effects of increasing temperatures on physiological changes in pigs at different relative humidities, 1385
Hepatic corticosteroid-binding globulin (CBG) messenger RNA expression and plasma CBG concentrations in young pigs in response to heat and social stress, 208
Heifers
Fish meal supplementation alters uterine prostaglandin $F_{2\alpha}$ synthesis in beef heifers with low luteal-phase progesterone, 1832
Luteinizing hormone-releasing hormone fusion protein vaccines block estrous cycle activity in beef heifers, 152
Herbicide-Tolerant
Glufosinate herbicide-tolerant (LibertyLink) rice vs. conventional rice in diets for growing-finishing swine, 1068
Herbivory
Effects of γ-terpinene, terpinolene, α-copaene, and α-terpinene on consumption of alfalfa pellets by sheep, 1967
Hereford Cattle
Changes in inbreeding of U.S. Herefords during the twentieth century, 992
Hereford Steers
Measurements of heat production for estimation of maintenance energy requirements of Hereford steers, 2590
Heritability
Genetic analysis of age at first service, return rate, litter size, and weaning-to-first service interval of gilts and sows, 41
Genetic analysis of carcass traits of steers adjusted to age, weight, or fat thickness slaughter endpoints, 764
Genetic and environmental factors associated with incidence of infectious bovine keratoconjunctivitis in preweaned beef calves, 507
Genetic and environmental factors influencing mortality up to weaning of *Bruna dels Pirineus* beef calves in mountain areas. A survival analysis, 543
Genetic parameters for carcass composition and pork quality estimated in a commercial production chain, 324
Genetic relationship between milk score and litter weight for Targhee, Columbia, Rambouillet, and Polypay sheep, 786
Influence of breed, heterozygosity, and disease incidence on estimates of variance components of respiratory disease in preweaned beef calves, 1247
Lack of evidence for cytoplasmic effects for four traits of Polypay sheep, 552
The heritability of the expression of two stress-regulated gene fragments in pigs, 1753
Heterosis
Additive, dominance, and epistatic loss effects on preweaning weight gain of crossbred beef cattle from different *Bos taurus* breeds, 1780
Hexanoic Acid
Effects of adding valerate, caproate, and heptanoate to ruminal buffers on splanchnic metabolism in steers under washed-rumen conditions, 1899
Hog Waste
Newspaper coverage of controversies about large-scale swine facilities in rural communities in Illinois, 2705
Holstein
Meat quality responses to feeding distiller's grains to finishing Holstein steers, 2455
Hormones
Splanchnic metabolism of nutrients and hormones in steers fed alfalfa under conditions of increased absorption of ammonia and L-arginine supply across the portal-drained viscera, 1088
Horse
Amino acid supplementation improves muscle mass in aged and young horses, 2783
Diurnal variation of ghrelin, leptin, and adiponectin in Standardbred mare, 2365
Fructooligosaccharide supplementation in the yearling horse: Effects on fecal pH, microbial content, and volatile fatty acid concentrations, 1549
Insulin resistance and compensation in Thoroughbred weanlings adapted to high-glycemic meals, 2357
Horses
Aerobic training, but not creatine supplementation, alters the gluteus medius muscle, 579
Effects of feeding a blend of grains naturally contaminated with *Fusarium* mycotoxins on feed intake, metabolism, and indices of athletic performance of exercised horses, 1267
Effects of rice bran oil on plasma lipid concentrations, lipoprotein composition, and glucose dynamics in mares, 2509
Influence of starch intake on growth and skeletal development of weanling horses, 1033
Hot Boning
Beef quadriceps hot boning and modified-atmosphere packaging influence properties of injection-enhanced beef round muscles, 686
Human-Animal Interaction
Repeated handling of pigs during rearing. I. Refusal of contact by the handler and reactivity to familiar and unfamiliar humans, 1653
Human Chorionic Gonadotropin
Effect of administration of human chorionic gonadotropin after artificial insemination on concentrations of progesterone and conception rates in beef heifers, 1403
Hunger
Preorbital gland opening in red deer (*Cervus elaphus*) calves: Signal of hunger?, 124
Husbandry Procedures
Effects of castration, tooth resection, or tail docking on plasma metabolites and stress hormones in young pigs, 216
2-Hydroxy-4-(methylthio)Butanoic Acid
Estimation of the ideal ratio of true ileal digestible sulfur amino acids:lysine in 8- to 26-kg nursery pigs, 2527
Hypothalamus-Pituitary-Adrenal Axis
Effect of repeated regrouping and relocation on the physiological, immunological, and hematological variables and performance of steers, 1948

I

IGF2
Effect of the porcine *IGF2*-intron3-G3072A substitution in an outbred Large White population and in an Iberian × Landrace cross, 2723
Ileal Digestibility
Effect of phytase supplementation to a low- and a high-phytate diet for growing pigs on the digestibilities of crude protein, amino acids, and energy, 2130
Ileum
Technical note: Improved technique for fitting pigs with steered ileocecal valve cannulas, 1563
Immune
Breed and age affect baseline immune traits, cortisol, and performance in growing pigs, 2087
Immune Response
Effects of dietary quillaja saponin and curcumin on the performance and immune status of weaned piglets, 82
Influence of fish oil supplementation on growth and immune system characteristics of cattle, 1097
Influence of supplementation of all-*rac*-α-tocopheryl acetate preweaning and vitamin C postweaning on α-tocopherol and immune responses of piglets, 1274
Immunity
Effect of glutamine and spray-dried plasma on growth performance, small intestinal morphology, and immune responses of *Escherichia coli* K88$^+$-challenged weaned pigs, 634
Effects of β-glucan obtained from the Chinese herb *Astragalus membranaceus* and lipopolysaccharide challenge on performance, immunological, adrenal, and somatotropic responses of weanling pigs, 2775
Immunization
Luteinizing hormone-releasing hormone fusion protein vaccines block estrous cycle activity in beef heifers, 152
Immunocastration
Reproductive characteristics of grass-fed, luteinizing hormone-releasing hormone-immunocastrated *Bos indicus* bulls, 2901
Immunoglobulin
Effects of spray-dried animal plasma and immunoglobulins on performance of early weaned pigs, 2876
High mineral and vitamin E intake by pregnant ewes lowers colostral immunoglobulin G absorption by the lamb, 871
Immunoglobulin Absorption
High mineral and vitamin E intake by pregnant ewes lowers colostral immunoglobulin G absorption by the lamb, 871
Immunology
Effect of repeated regrouping and relocation on the physiological, immunological, and hematological variables and performance of steers, 1948
Impedance
Genetic parameter estimates of meat quality traits in Duroc pigs selected for average daily gain, longissimus muscle area, backfat thickness, and intramuscular fat content, 2058
Implant
Effects of choline on blood metabolites associated with lipid metabolism and digestion by steers fed corn-based diets, 1625
Implants
The effect of stage of growth and implant exposure on performance and carcass composition in steers, 108
Imprinting
Joint analysis of two-breed cross populations in pigs to improve detection and characterization of quantitative trait loci, 1229
In Situ
Effect of restricted forage intake on ruminal disappearance of bromegrass hay and a blood meal, feather meal, and fish meal supplement, 2146
In Situ Disappearance Kinetics
Ruminal in situ disappearance kinetics of dry matter and fiber in growing steers for common crabgrass forages sampled on seven dates in northern Arkansas, 1142
In Vitro
Corn hybrid affects in vitro and in vivo measures of nutrient digestibility in dog, 160
In Vitro Model
Duplication of the pale, soft, and exudative condition starting with normal postmortem pork, 2843
Inbreeding
Changes in inbreeding of U.S. Herefords during the twentieth century, 992
Index
Estimates of heat stress relief needs for Holstein dairy cows, 1377
Indicator Amino Acid Oxidation
Response to lysine in a wheat gluten diet in adult minipigs after short- and long-term dietary adaptation as assessed with an indicator amino acid oxidation and balance technique, 833
Infectious Bovine Rhinotracheitis
The physiological and production effects of increased dietary intake of vitamins E and C in feedlot cattle challenged with bovine herpesvirus 1, 2423
Inflammatory Response
Effects of β-glucan obtained from the Chinese herb *Astragalus membranaceus* and lipopolysaccharide challenge on performance, immunological, adrenal, and somatotropic responses of weanling pigs, 2775
Infusion
Effect of calcium chloride, zinc chloride, and water infusion on metmyoglobin reducing activity and fresh lamb color, 2189
Injection Enhancement
Beef quadriceps hot boning and modified-atmosphere packaging influence properties of injection-enhanced beef round muscles, 686
Insect-Protected Corn
Performance of growing-finishing pigs fed diets containing YieldGard Rootworm corn (MON 863), a nontransgenic genetically similar corn, or conventional corn hybrids, 1581
Insoluble Acid Detergent Fiber
Estimation of feeding value of four tropical forage species at two stages of maturity, 1726
Insulin
Effect of dexamethasone, feeding time, and insulin infusion on leptin concentrations in stallions, 1875
Influence of nutrient intake and body fat on concentrations of insulin-like growth factor-I, insulin, thyroxine, and leptin in plasma of gestating beef cows, 586
Insulin-Like Growth Factor
Effects of L-carnitine on fetal growth and the IGF system in pigs, 1824
Insulin-Like Growth Factor-1
Effects of propylene glycol on carcass traits and its related gene expression in Korean native steers, 344
Effects of varying energy intake and sire breed on duration of postpartum anestrus, insulin like growth factor-1, and growth hormone in mature crossbred cows, 1705
Insulin-Like Growth Factor-I
Effect of a short-term fast on intestinal disaccharidase activity and villus morphology of piglets suckling insulin-like growth factor-I transgenic sows, 2404
Effect of testosterone on insulin-like growth factor-I, androgen receptor, and myostatin gene expression in splenius and semitendinosus muscles in sheep, 803
Effects of recombinant bovine somatotropin on growth and abundance of mRNA for IGF-I and IGF-II in channel catfish (*Ictalurus punctatus*), 816
Influence of nutrient intake and body fat on concentrations of insulin-like growth factor-I, insulin, thyroxine, and leptin in plasma of gestating beef cows, 586
Pigs weaned from the sow at 10 days of age respond to dietary energy source of manufactured liquid diets and exogenous porcine somatotropin, 1002
Insulin-Like Growth Factor-II
Effects of recombinant bovine somatotropin on growth and abundance of mRNA for IGF-I and IGF-II in channel catfish (*Ictalurus punctatus*), 816
Insulin-Like Growth Factor Binding Proteins
Effects of L-carnitine on fetal growth and the IGF system in pigs, 1824
Insulin Sensitivity
Effects of rice bran oil on plasma lipid concentrations, lipoprotein composition, and glucose dynamics in mares, 2509
Insulin resistance and compensation in Thoroughbred weanlings adapted to high-glycemic meals, 2357
Intake
Dry matter intake and digestion of alfalfa harvested at sunset and sunrise, 262

Effect of restricted forage intake on ruminal disappearance of bromegrass hay and a blood meal, feather meal, and fish meal supplement, 2146
Effects of γ-terpinene, terpinolene, α-copaene, and α-terpinene on consumption of alfalfa pellets by sheep, 1967
Influence of sward height, daily timing of concentrate supplementation, and restricted time for grazing on forage utilization by lactating beef cows, 1435
Integrated Systems
Grazing and feedlot performance of yearling stocker cattle integrated with spring- and fall-calving beef cows in a year-round grazing system, 2696
Interferon-γ
The effect of transportation on the immune status of *Bos indicus* steers, 2632
Interval Mapping
Evaluation of approaches to detect quantitative trait loci for growth, carcass, and meat quality on swine chromosomes 2, 6, 13, and 18. II. Multivariate and principal component analyses, 2471
Evaluation of approaches to detect quantitative trait loci for growth, carcass, and meat quality on swine chromosomes 2, 6, 13, and 18. I. Univariate outbred F_2 and sib-pair analyses, 1481
Intestinal
Functional characterization of a cloned pig intestinal peptide transporter (pPepT1), 172
Intestine
Effect of a short-term fast on intestinal disaccharidase activity and villus morphology of piglets suckling insulin-like growth factor-I transgenic sows, 2404
Intramuscular Fat Percent
Comparison of three models to estimate breeding values for percentage of loin intramuscular fat in Duroc swine, 750
Genetic and phenotypic relationships between individual subcutaneous backfat layers and percentage of longissimus intramuscular fat in Duroc swine, 316
Intromission
Effects of novel females and stage of the estrous cycle on sexual behavior in mature beef bulls, 613
Effects of sequential or group exposure to unrestrained estrual females on expression of sexual behavior in sexually experienced beef bulls, 1801
Ionic Strength
Effect of pH and ionic strength on μ- and m-calpain inhibition by calpastatin, 1370
Iron
Effects of dietary zinc and iron supplementation on mineral excretion, body composition, and mineral status of nursery pigs, 2762
Iron Regulatory Protein
Effects of iron supplementation on binding activity of iron regulatory proteins and the subsequent effect on growth performance and indices of hematological and mineral status of young pigs, 2137
Isoleucine
Isoleucine requirement of 80- to 120-kilogram barrows fed corn-soybean meal or corn-blood cell diets, 2543
Iterative Procedure
An iterative procedure for deriving selection indexes with constant restrictions, 2313

J

Japanese Black
Genotype × environment interaction effects on carcass traits in Japanese Black cattle, 1503
Japanese Black Cattle
Estimation of direct and maternal genetic and permanent environmental effects for weights from birth to 356 days of age in a herd of Japanese Black cattle using random regression, 519
Genetic and economic evaluation of Japanese Black (Wagyu) cattle breeding schemes, 2021
Joint Analysis
Joint analysis of two-breed cross populations in pigs to improve detection and characterization of quantitative trait loci, 1229

K

Knockout Mice
Calpain 3/p94 is not involved in postmortem proteolysis, 1646
Korean Native Pig
Genetic structure of pig breeds from Korea and China using microsatellite loci analysis, 2255

L

Lactate
Effects of castration, tooth resection, or tail docking on plasma metabolites and stress hormones in young pigs, 216
Lactation
Changes in gene expression of glucose transporters in lactating and nonlactating cows, 557
Efficacy of using a combination of rendered protein products as an undegradable intake protein supplement for lactating, winter-calving, beef cows fed bromegrass hay, 187
Genetic relationship between milk score and litter weight for Targhee, Columbia, Rambouillet, and Polypay sheep, 786
Nutritionally altering weight gain patterns of pregnant heifers and young cows changes the time that feed resources are offered without any differences in production, 916
Lactation Rescue
Expression of genes involved in regulation of cell turnover during milk stasis and lactation rescue in sow mammary glands, 2349
Lairage
Negative effects of stress immediately before slaughter on pork quality are aggravated by suboptimal transport and lairage conditions, 440
Lamb
A directed search in the region of GDF8 for quantitative trait loci affecting carcass traits in Texel sheep, 1988
An assessment of extraction and assay techniques for quantification of calpain and calpastatin from small tissue samples, 2182
Comparison of characteristics of lambs fed concentrate or grazed on ryegrass to traditional or heavy slaughter weights. I. Production, carcass, and organoleptic characteristics, 679
Effect of calcium chloride, zinc chloride, and water infusion on metmyoglobin reducing activity and fresh lamb color, 2189
Meat quality traits were unaffected by a quantitative trait locus affecting leg composition traits in Texel sheep, 2729
Supplemental safflower oil affects the fatty acid profile, including conjugated linoleic acid, of lamb, 2175
Lambs
Characteristics of lambs fed concentrates or grazed on ryegrass to traditional or heavy slaughter weights. II. Wholesale cuts and tissue accretion, 1345
Estimation in vivo of the body and carcass chemical composition of growing lambs by real-time ultrasonography, 350
Laminin
A method to establish co-cultures of myotubes and preadipocytes from collagenase digested neonatal pig semitendinosus muscles, 1010
Laparoscopy
Technical Note: Transcervical deep cornual insemination of goats, 1543
Lean
Characteristics of lambs fed concentrates or grazed on ryegrass to traditional or heavy slaughter weights. II. Wholesale cuts and tissue accretion, 1345
Legendre Polynomial
A practical longitudinal model for evaluating growth in Gelbvieh cattle, 29
Legumes
Effect of rotation frequency and weaning date on forage measurements and growth performance by cows and calves grazing endophyte-infected tall fescue pastures overseeded with crabgrass and legumes, 2684
Leptin
Correlation between blood and milk serum leptin in goats and growth of their offspring, 1854
Diurnal variation of ghrelin, leptin, and adiponectin in Standardbred mare, 2365

Effect of dexamethasone, feeding time, and insulin infusion on leptin concentrations in stallions, 1875
Effects of propylene glycol on carcass traits and its related gene expression in Korean native steers, 344
Effects of short-term feed deprivation and melatonin implants on circadian patterns of leptin in the horse, 1023
Effects of supplementation of whole corn germ on reproductive performance, calf performance, and leptin concentration in primiparous and mature beef cows, 2663
Influence of nutrient intake and body fat on concentrations of insulin-like growth factor-I, insulin, thyroxine, and leptin in plasma of gestating beef cows, 586
Leptin and leptin receptor expression in skeletal muscle and adipose tissue in response to in vivo porcine somatotropin treatment, 2501
Pigs weaned from the sow at 10 days of age respond to dietary energy source of manufactured liquid diets and exogenous porcine somatotropin, 1002
Porcine preadipocyte proliferation and differentiation: A role for leptin?, 2066
The effect of a leptin single nucleotide polymorphism on quality grade, yield grade, and carcass weight of beef cattle, 927
Leptin Gene
Association of single nucleotide polymorphisms, in the leptin gene with carcass and meat quality traits of beef cattle, 2009
Leptin Promoter
Polymorphisms in the bovine leptin promoter associated with serum leptin concentration, growth, feed intake, feeding behavior, and measures of carcass merit, 20
Leptin Receptor
Leptin and leptin receptor expression in skeletal muscle and adipose tissue in response to in vivo porcine somatotropin treatment, 2501
Leucine
Ruminal ammonia load affects leucine utilization by growing steers, 2448
Leucine Tracer Balance
Response to lysine in a wheat gluten diet in adult minipigs after short- and long-term dictary adaptation as assessed with an indicator amino acid oxidation and balance technique, 833
Leukemia Inhibitory Factor
Evidence of a new leukemia inhibitory factor-associated genetic marker for litter size in a synthetic pig line, 2264
Limpograss
Estimation of feeding value of four tropical forage species at two stages of maturity, 1726
Linear Spline Function
Genetic parameters estimated with multi-trait and linear spline-random regression models using Gelbvieh early growth data, 757
Linkage Analysis
Quantitative trait loci mapping for meat quality and muscle fiber traits in a Japanese wild boar × Large White intercross, 308
Linolenic Acid
Fatty acid indices of stearoyl-CoA desaturase do not reflect actual stearoyl-CoA desaturase enzyme activities in adipose tissues of beef steers finished with corn-, flaxseed-, or sorghum-based diets, 1153
Lipid Metabolism
Effect of dietary fish oil substitution with linseed oil on the performance, tissue fatty acid profile, metabolism, and oxidative stability of Atlantic salmon, 2853
Influence of dietary manganese on performance, lipid metabolism, and carcass composition of growing and finishing steers, 2434
Lipid Supplementation
Body condition score at parturition and postpartum supplemental fat effects on cow and calf performance, 2908
Lipoperoxidation
Effects of dietary n-6 or n-3 polyunsaturated fatty acids protected or not against ruminal hydrogenation on plasma lipids and their susceptibility to peroxidation in fattening steers, 2162
Lipoprotein
Effects of rice bran oil on plasma lipid concentrations, lipoprotein composition, and glucose dynamics in mares, 2509
Litter Size
Divergent selection for uterine capacity in rabbits. I. Genetic parameters and response to selection, 2297
Divergent selection for uterine capacity in rabbits. II. Correlated response in litter size and its components estimated with a cryopreserved control population, 2303
Evidence of a new leukemia inhibitory factor-associated genetic marker for litter size in a synthetic pig line, 2264
Influence of body weight, age, and weight gain on fertility and prolificacy in four breeds of ewe lambs, 1680
Threshold-linear estimation of genetic parameters for farrowing mortality, litter size, and test performance of Large White sows, 499
Live Weight
Seasonal changes in weight and body composition of yak grazing on alpine-meadow grassland in the Qinghai-Tibetan Plateau of China, 1908
Liver
Splanchnic metabolism of nitrogenous compounds and urinary nitrogen excretion in steers fed alfalfa under conditions of increased absorption of ammonia and L-arginine supply across the portal-drained viscera, 1075
Splanchnic metabolism of nutrients and hormones in steers fed alfalfa under conditions of increased absorption of ammonia and L-arginine supply across the portal-drained viscera, 1088
Locoweed
Effects of locoweed on serum swainsonine and selected serum constituents in sheep during acute and subacute oral/intraruminal exposure, 466
Longevity
Genetic parameters for stayability, stayability at calving, and stayability at weaning to specified ages for Hereford cows, 2033
Longissimus Muscle
Determining the optimum beef longissimus muscle size for retail consumers, 2598
Low-Phytate Corn
Calcium, phosphorus, and amino acid digestibility in low-phytate corn, normal corn, and soybean meal by growing pigs, 2396
Low-Quality Hay
Effects of cooked molasses blocks and fermentation extract or brown seaweed meal inclusion on intake, digestion, and microbial efficiency in steers fed low-quality hay, 2938
Luteinizing Hormone-Releasing Hormone
Luteinizing hormone-releasing hormone fusion protein vaccines block estrous cycle activity in beef heifers, 152
Reproductive characteristics of grass-fed, luteinizing hormone-releasing hormone-immunocastrated *Bos indicus* bulls, 2901
Lymphocyte Functions
The effect of transportation on the immune status of *Bos indicus* steers, 2632
Lysine
Estimate of the variability of the lysine requirement of growing pigs using the indicator amino acid oxidation technique, 2535
Increasing dietary pectin level reduces utilization of digestible threonine intake, but not lysine intake, for body protein deposition in growing pigs, 1044
Lysine Requirement
Lysine requirement of finishing pigs administered porcine somatotropin by sustained-release implant, 2789

M

Magnesium
Effects of dietary magnesium and short-duration transportation on stress response, postmortem muscle metabolism, and meat quality of finishing swine, 1633
Influence of supplemental magnesium, tryptophan, vitamin C, and vitamin E on stress responses of pigs to vibration, 1568
Maintenance Energy Requirement
Measurements of heat production for estimation of maintenance energy requirements of Hereford steers, 2590
Major Histocompatibility Complex
Polymorphism of the *DQA2* gene in goats, 963
Male Sexual Function
Testicular development of Zebu bulls after chronic treatment with a gonadotropin-releasing hormone agonist, 2111
Mammalian Target of Rapamycin
Nutrient restriction differentially modulates the mammalian target of rapamycin signaling and the ubiquitin-proteasome system in skeletal muscle of cows and their fetuses, 117

Mammary Development
Exogenous prolactin stimulates mammary development and alters expression of prolactin-related genes in prepubertal gilts, 825
Mammary Gland
Changes in gene expression of glucose transporters in lactating and nonlactating cows, 557
Expression of genes involved in regulation of cell turnover during milk stasis and lactation rescue in sow mammary glands, 2349
Mammary Glands
Exogenous prolactin stimulates mammary development and alters expression of prolactin-related genes in prepubertal gilts, 825
Management
Six component intervals of nonproductive days by breeding-female pigs on commercial farms, 1406
Manganese
Influence of dietary manganese on performance, lipid metabolism, and carcass composition of growing and finishing steers, 2434
Mannan Oligosaccharide
Effects of mannan oligosaccharide and an antimicrobial product in nursery diets on performance of pigs reared on three different farms, 2637
Manure
Concentrations of fecal bacteria and nutrients in soil surrounding round-bale feeding sites, 1673
Marbling
The effect of a leptin single nucleotide polymorphism on quality grade, yield grade, and carcass weight of beef cattle, 927
Marker-Assisted Selection
Benefits from marker-assisted selection under an additive polygenic genetic model, 1747
Market Factor
Factors affecting carcass value and profitability in early-weaned Simmental steers: I. Five-year average pricing, 2918
Market Research
Beef customer satisfaction: Factors affecting consumer evaluations of calcium chloride-injected top sirloin steaks when given instructions for preparation, 2869
Beef customer satisfaction: USDA quality grade and marination effects on consumer evaluations of top round steaks, 662
Marketing
Effects of marbling and shear force on consumers' willingness to pay for beef strip loin steaks, 890
Mastication
Effects of size of ingestively masticated fragments of plant tissues on kinetics of digestion of NDF, 1602
Models for estimating parameters of neutral detergent fiber digestion by ruminal microorganisms, 1591
Maternal Effects
Lack of evidence for cytoplasmic effects for four traits of Polypay sheep, 552
Maternal Nutrition
The effect of maternal undernutrition before muscle differentiation on the muscle fiber development of the newborn lamb, 2564
Maternal Permanent Environmental Correlation
Estimation of correlation between maternal permanent environmental effects of related dams in beef cattle, 537
Maternal Trait
Genetic parameters for a maternal breeding goal in beef production, 2319
Meat and Bone Meal
Bioavailability of phosphorus in meat and bone meal for swine, 1054
Effects of particle size, ash content, and processing pressure on the bioavailability of phosphorus in meat and bone meal for swine, 2554
Metabolizable energy value of meat and bone meal for pigs, 2519
Meat Color
Supplemental safflower oil affects the fatty acid profile, including conjugated linoleic acid, of lamb, 2175
Meat Goats
Correlation between blood and milk serum leptin in goats and growth of their offspring, 1854
Meat Grades
Beef customer satisfaction: USDA quality grade and marination effects on consumer evaluations of top round steaks, 662
Meat Quality
Association of single nucleotide polymorphisms, in the leptin gene with carcass and meat quality traits of beef cattle, 2009
Carcass composition, bone mechanical properties, and meat quality traits in relation to growth rate in rabbits, 1526
Duration of restraint and isolation stress as a model to study the dark-cutting condition in cattle, 1202
Effect of withholding feed from swine before slaughter on carcass and viscera weights and meat quality, 715
Evaluation of approaches to detect quantitative trait loci for growth, carcass, and meat quality on swine chromosomes 2, 6, 13, and 18. II. Multivariate and principal component analyses, 2471
Evaluation of approaches to detect quantitative trait loci for growth, carcass, and meat quality on swine chromosomes 2, 6, 13, and 18. I. Univariate outbred F_2 and sib-pair analyses, 1481
Genetic parameters for carcass composition and pork quality estimated in a commercial production chain, 324
Meat quality traits were unaffected by a quantitative trait locus affecting leg composition traits in Texel sheep, 2729
Negative effects of stress immediately before slaughter on pork quality are aggravated by suboptimal transport and lairage conditions, 440
Polymorphism of the pig *2,4-dienoyl CoA reductase 1* gene (*DECR1*) and its association with carcass and meat quality traits, 493
Preslaughter handling effects on pork quality and glycolytic potential in two muscles differing in fiber type composition, 900
Quantitative trait loci mapping for meat quality and muscle fiber traits in a Japanese wild boar × Large White intercross, 308
Repeated handling of pigs during rearing. II. Effect of reactivity to humans on aggression during mixing and on meat quality, 1664
Meat Quality Traits
Genetic parameter estimates of meat quality traits in Duroc pigs selected for average daily gain, longissimus muscle area, backfat thickness, and intramuscular fat content, 2058
Meat Tenderness
A new single nucleotide polymorphism in *CAPN1* extends the current tenderness marker test to include cattle of *Bos indicus*, *Bos taurus*, and crossbred descent, 2001
Meat Yield
Prediction of retail product and trimmable fat yields from the four primal cuts in beef cattle using ultrasound or carcass data, 1353
Melatonin
Effects of short-term feed deprivation and melatonin implants on circadian patterns of leptin in the horse, 1023
Messenger RNA
Effects of L-carnitine on fetal growth and the IGF system in pigs, 1824
Metabolism
Effects of adding valerate, caproate, and heptanoate to ruminal buffers on splanchnic metabolism in steers under washed-rumen conditions, 1899
Effects of choline on blood metabolites associated with lipid metabolism and digestion by steers fed corn-based diets, 1625
Metabolizable Energy
Metabolizable energy value of meat and bone meal for pigs, 2519
Methane
Effect of *Escherichia coli* wild type or its derivative with high nitrite reductase activity on in vitro ruminal methanogenesis and nitrate/nitrite reduction, 644
Methane emissions from feedlot cattle fed barley or corn diets, 653
The effect of a condensed-tannin-containing forage on methane emission by goats, 182
Methionine
Estimation of the ideal ratio of true ileal digestible sulfur amino acids:lysine in 8- to 26-kg nursery pigs, 2527
Metmyoglobin-Reducing Activity
Effect of calcium chloride, zinc chloride, and water infusion on metmyoglobin reducing activity and fresh lamb color, 2189
Mice
Effect of dietary α-lipoic acid on growth, body composition, muscle pH, and AMP-activated protein kinase phosphorylation in mice, 2611
Microarray
Differentially transcribed genes in skeletal muscle of Duroc and Taoyuan pigs, 2075
Microassay
An assessment of extraction and assay techniques for quantification of calpain and calpastatin from small tissue samples, 2182

Microbial Flora
Feed physical form and formic acid addition to the feed affect the gastrointestinal ecology and growth performance of growing pigs, 1287
Microbiology
Fructooligosaccharide supplementation in the yearling horse: Effects on fecal pH, microbial content, and volatile fatty acid concentrations, 1549
Microsatellite
Genetic structure of pig breeds from Korea and China using microsatellite loci analysis, 2255
Testing the usefulness of the molecular coancestry information to assess genetic relationships in livestock using a set of Spanish sheep breeds, 737
Milk
Correlation between blood and milk serum leptin in goats and growth of their offspring, 1854
Milk Expected Progeny Difference
Relationship of sire expected progeny differences to milk yield in Brangus cows, 1194
Milk Intake
The effect of milk intake on forage intake and growth of nursing calves, 940
Milk Yield
Relationship of sire expected progeny differences to milk yield in Brangus cows, 1194
Minimal Model
Insulin resistance and compensation in Thoroughbred weanlings adapted to high-glycemic meals, 2357
Minipigs
Response to lysine in a wheat gluten diet in adult minipigs after short- and long-term dietary adaptation as assessed with an indicator amino acid oxidation and balance technique, 833
Mixing
Behavior, physiology, and performance of bulls mixed at the onset of finishing to form uniform body weight groups, 1696
Model
A beef herd model for simulating feed intake, animal performance, and manure excretion in farm systems, 231
Technical Note: A dynamic model to predict the composition of fat-free matter gains in cattle, 1262
Modeling
Non-steady-state modeling of effects of timing and level of concentrate supplementation on ruminal pH and forage intake in high-producing, grazing ewes, 1102
Modified Atmosphere Packaging
Beef quadriceps hot boning and modified-atmosphere packaging influence properties of injection-enhanced beef round muscles, 686
Molecular Kinship
Testing the usefulness of the molecular coancestry information to assess genetic relationships in livestock using a set of Spanish sheep breeds, 737
Monte Carlo Markov Chain
Divergent selection for uterine capacity in rabbits. I. Genetic parameters and response to selection, 2297
Morphology
Effect of feed particle size and feed processing on morphological characteristics in the small and large intestine of pigs and on adhesion of *Salmonella enterica* serovar Typhimurium DT12 in the ileum in vitro, 1554
Mounting
Effects of novel females and stage of the estrous cycle on sexual behavior in mature beef bulls, 613
Effects of sequential or group exposure to unrestrained estrual females on expression of sexual behavior in sexually experienced beef bulls, 1801
mRNA Levels
Expression of adiponectin and its receptors in swine, 565
Mucin
Effect of feed particle size and feed processing on morphological characteristics in the small and large intestine of pigs and on adhesion of *Salmonella enterica* serovar Typhimurium DT12 in the ileum in vitro, 1554
Multienzymes
Improving the nutritional value of oat hulls for ruminant animals with pretreatment of a multienzyme cocktail: In vitro studies, 1133
Multiple Breeds
Multiple-breed genetic inference using heavy-tailed structural models for heterogeneous residual variances, 1766
Multiple Restrictions
A simultaneous procedure for deriving selection indexes with multiple restrictions, 531
Multiple Trait
A practical longitudinal model for evaluating growth in Gelbvieh cattle, 29
Multivariate
Evaluation of approaches to detect quantitative trait loci for growth, carcass, and meat quality on swine chromosomes 2, 6, 13, and 18. II. Multivariate and principal component analyses, 2471
Muscle
Characterization of porcine β_1- and β_2-adrenergic receptors in heart, skeletal muscle, and adipose tissue, and the identification of an atypical β-adrenergic binding site, 2339
Effect of dietary α-lipoic acid on growth, body composition, muscle pH, and AMP-activated protein kinase phosphorylation in mice, 2611
Effect of testosterone on insulin-like growth factor-I, androgen receptor, and myostatin gene expression in splenius and semitendinosus muscles in sheep, 803
Time-dependent influence of supranutritional organically bound selenium on selenium accumulation in growing wether lambs, 1186
Muscle Biopsy
Aerobic training, but not creatine supplementation, alters the gluteus medius muscle, 579
Muscle Differentiation
Ontogeny of factors associated with proliferation and differentiation of muscle in the ovine fetus, 2330
Muscle Fiber
Quantitative trait loci mapping for meat quality and muscle fiber traits in a Japanese wild boar × Large White intercross, 308
Muscle Fiber Formation
The effect of maternal undernutrition before muscle differentiation on the muscle fiber development of the newborn lamb, 2564
Muscle Fibers
Carcass composition, bone mechanical properties, and meat quality traits in relation to growth rate in rabbits, 1526
Muscle Mass
Amino acid supplementation improves muscle mass in aged and young horses, 2783
Muscle Type
Preslaughter handling effects on pork quality and glycolytic potential in two muscles differing in fiber type composition, 900
Mycotoxins
Activated carbon does not prevent the toxicity of culture material containing fumonisin B_1 when fed to weanling piglets, 1939
Effects of feeding a blend of grains naturally contaminated with *Fusarium* mycotoxins on feed intake, metabolism, and indices of athletic performance of exercised horses, 1267
Myoblasts
Effects of L-carnitine on fetal growth and the IGF system in pigs, 1824
Myogenin
Ontogeny of factors associated with proliferation and differentiation of muscle in the ovine fetus, 2330
Myosin ATPase
Aerobic training, but not creatine supplementation, alters the gluteus medius muscle, 579
Myostatin
Effect of testosterone on insulin-like growth factor-I, androgen receptor, and myostatin gene expression in splenius and semitendinosus muscles in sheep, 803
Myotube
A method to establish co-cultures of myotubes and preadipocytes from collagenase digested neonatal pig semitendinosus muscles, 1010

N

Neonate
Differentially transcribed genes in skeletal muscle of Duroc and Taoyuan pigs, 2075

Neonate Metabolism
Bayes factor analysis for the genetic background of physiological and vitality variables of F_2 Iberian × Meishan newborn piglets, 334
Neotyphodium
A model of fescue toxicosis: Responses of rats to intake of endophyte-infected tall fescue, 1423
Neotyphodium coenophialum
Effect of rotation frequency and weaning date on forage measurements and growth performance by cows and calves grazing endophyte-infected tall fescue pastures overseeded with crabgrass and legumes, 2684
Intake, digestion, and N metabolism in steers fed endophyte-free, ergot alkaloid-producing endophyte-infected, or nonergot alkaloid-producing endophyte-infected fescue hay, 1179
Neutral Detergent Fiber
Effects of size of ingestively masticated fragments of plant tissues on kinetics of digestion of NDF, 1602
Models for estimating parameters of neutral detergent fiber digestion by ruminal microorganisms, 1591
Newspapers
Newspaper coverage of controversies about large-scale swine facilities in rural communities in Illinois, 2705
Nipple Drinkers
Water intake and wastage at nipple drinkers by growing-finishing pigs, 1413
Nitrate
Effect of *Escherichia coli* wild type or its derivative with high nitrite reductase activity on in vitro ruminal methanogenesis and nitrate/nitrite reduction, 644
Nitrite
Effect of *Escherichia coli* wild type or its derivative with high nitrite reductase activity on in vitro ruminal methanogenesis and nitrate/nitrite reduction, 644
Nitrogen Balance
Response to lysine in a wheat gluten diet in adult minipigs after short- and long-term dietary adaptation as assessed with an indicator amino acid oxidation and balance technique, 833
Nitrogen Excretion
Using blood urea nitrogen to predict nitrogen excretion and efficiency of nitrogen utilization in cattle, sheep, goats, horses, pigs, and rats, 879
Nitrogen Fertilizer
Effects of stocking and nitrogen fertilization rates on steers grazing dallisgrass-dominated pasture, 2235
Nitrogen Utilization Efficiency
Using blood urea nitrogen to predict nitrogen excretion and efficiency of nitrogen utilization in cattle, sheep, goats, horses, pigs, and rats, 879
Noneconomic Value
Breeding for societally important traits in pigs, 948
Nonproductive Female Days
Six component intervals of nonproductive days by breeding-female pigs on commercial farms, 1406
Nonstarch Polysaccharides
Increasing dietary pectin level reduces utilization of digestible threonine intake, but not lysine intake, for body protein deposition in growing pigs, 1044
Northern Great Basin
Influence of protein supplementation frequency on cows consuming low-quality forage: Performance, grazing behavior, and variation in supplement intake, 1715
Nursery Pig
Effects of dietary zinc and iron supplementation on mineral excretion, body composition, and mineral status of nursery pigs, 2762
Nursery Pigs
Comparison of yellow dent and NutriDense corn hybrids in swine diets, 2624
Effects of supplemental dietary phytase and pharmacological concentrations of zinc on growth performance and tissue zinc concentrations of weanling pigs, 386
Nursing Calf Growth
The effect of milk intake on forage intake and growth of nursing calves, 940
Nutrient Balance
Effects of dietary zinc and iron supplementation on mineral excretion, body composition, and mineral status of nursery pigs, 2762
Escherichia coli phytase improves growth performance of starter, grower, and finisher pigs fed phosphorus-deficient diets, 1882
Nutrient Restriction
Nutrient restriction differentially modulates the mammalian target of rapamycin signaling and the ubiquitin-proteasome system in skeletal muscle of cows and their fetuses, 117
Nutrients
Concentrations of fecal bacteria and nutrients in soil surrounding round-bale feeding sites, 1673
Nutrition
Gene expression profiling of muscle tissue in Brahman steers during nutritional restriction, 1
Incidence of puberty in beef heifers fed high- or low-starch diets for different periods before breeding, 2653
Influence of nutrient intake and body fat on concentrations of insulin-like growth factor-I, insulin, thyroxine, and leptin in plasma of gestating beef cows, 586
Nutritionally altering weight gain patterns of pregnant heifers and young cows changes the time that feed resources are offered without any differences in production, 916

O

Odor
Newspaper coverage of controversies about large-scale swine facilities in rural communities in Illinois, 2705
Oil Seeds
Effects of dietary n-6 or n-3 polyunsaturated fatty acids protected or not against ruminal hydrogenation on plasma lipids and their susceptibility to peroxidation in fattening steers, 2162
Oncorhynchus mykiss
Comparing efficiency of metabolizable energy utilization by rainbow trout (*Oncorhynchus mykiss*) and Atlantic salmon (*Salmo salar*) using factorial and multivariate approaches, 842
Orchardgrass
Ruminal in situ disappearance kinetics of dry matter and fiber in growing steers for common crabgrass forages sampled on seven dates in northern Arkansas, 1142
Organic Zinc
Effects of replacing pharmacological levels of dietary zinc oxide with lower dietary levels of various organic zinc sources for weanling pigs, 2123
Organically Bound
Time-dependent influence of supranutritional organically bound selenium on selenium accumulation in growing wether lambs, 1186
Osteochondrosis
Influence of starch intake on growth and skeletal development of weanling horses, 1033
Outbred F_2
Evaluation of approaches to detect quantitative trait loci for growth, carcass, and meat quality on swine chromosomes 2, 6, 13, and 18. I. Univariate outbred F_2 and sib-pair analyses, 1481
Outlier Robustness
Multiple-breed genetic inference using heavy-tailed structural models for heterogeneous residual variances, 1766
Ovary
Follicular development and maturation in gilts selected for an index of high ovulation rate and high prenatal survival, 130
The role of thecal androgen production in the regulation of estradiol biosynthesis by dominant bovine follicles during the first follicular wave, 597
Ovulation
Effect of age and physical or fence-line boar exposure on estrus and ovulation response in prepubertal gilts administered PG600, 460
Effect of P.G. 600 on the timing of ovulation in gilts treated with altrenogest, 1690
Ovulation Rate
Divergent selection for uterine capacity in rabbits. II. Correlated response in litter size and its components estimated with a cryopreserved control population, 2303
Divergent selection for uterine capacity in rabbits. III. Responses in uterine capacity and its components estimated with a cryopreserved control population, 2308

Oxidation
Beef quadriceps hot boning and modified-atmosphere packaging influence properties of injection-enhanced beef round muscles, 686

P

Palatability
Characterization of biological types of cattle (Cycle VII): Carcass, yield, and longissimus palatability traits, 196
Chemical composition, protein quality, palatability, and digestibility of alternative protein sources for dogs, 2414
Comparison of characteristics of lambs fed concentrate or grazed on ryegrass to traditional or heavy slaughter weights. I. Production, carcass, and organoleptic characteristics, 679
Consumer sensory acceptance and value of domestic, Canadian, and Australian grass-fed beef steaks, 2863
Evaluating consumer acceptability and willingness to pay for various beef chuck muscles, 2605
Phenotypic ranges and relationships among carcass and meat palatability traits for fourteen cattle breeds, and heritabilities and expected progeny differences for Warner-Bratzler shear force in three beef cattle breeds, 2461
Pale, Soft, and Exudative Meat
Effect of dietary α-lipoic acid on growth, body composition, muscle pH, and AMP-activated protein kinase phosphorylation in mice, 2611
Pale, Soft, and Exudative Pork
Duplication of the pale, soft, and exudative condition starting with normal postmortem pork, 2843
Parentage
Genetic evaluation using parentage information from genetic markers, 2271
Parity
Effect of sow parity and weight at service on target maternal weight and energy for gain in gestation, 255
Particle Size
Effect of feed particle size and feed processing on morphological characteristics in the small and large intestine of pigs and on adhesion of *Salmonella enterica* serovar Typhimurium DT12 in the ileum in vitro, 1554
Effect of grain processing degree on intake, digestion, ruminal fermentation, and performance characteristics of steers fed medium-concentrate growing diets, 2815
Paspalum dilatatum
Effects of stocking and nitrogen fertilization rates on steers grazing dallisgrass-dominated pasture, 2235
Pectin
Increasing dietary pectin level reduces utilization of digestible threonine intake, but not lysine intake, for body protein deposition in growing pigs, 1044
Pedagogy
Encouraging science reading beyond the curriculum, 1972
Pedigree
Genetic evaluation using parentage information from genetic markers, 2271
Pen Effects
Unexpected estimates of variance components with a true model containing genetic competition effects, 68
Penalized Splines
Semiparametric animal models via penalized splines as alternatives to models with contemporary groups, 2482
PepT1
Functional characterization of a cloned pig intestinal peptide transporter (pPepT1), 172
Peptide Transport
Functional characterization of a cloned pig intestinal peptide transporter (pPepT1), 172
Performance
An evaluation of production and economic efficiency of two beef systems from calving to slaughter, 694
Breed and age affect baseline immune traits, cortisol, and performance in growing pigs, 2087
Effect of diets containing linoleic acid- or oleic acid-rich oils on ruminal fermentation and nutrient digestibility, and performance and fatty acid composition of adipose and muscle tissues of finishing cattle, 1312
Effect of glutamine and spray-dried plasma on growth performance, small intestinal morphology, and immune responses of *Escherichia coli* K88$^+$-challenged weaned pigs, 634
Effects of propylene glycol on carcass traits and its related gene expression in Korean native steers, 344
PG600
Effect of age and physical or fence-line boar exposure on estrus and ovulation response in prepubertal gilts administered PG600, 460
pH
Duplication of the pale, soft, and exudative condition starting with normal postmortem pork, 2843
Effect of pH and ionic strength on μ- and m-calpain inhibition by calpastatin, 1370
Flavor characterization of top-blade, top-sirloin, and tenderloin steaks as affected by pH, maturity, and marbling, 2618
Phenotype
Effects of ractopamine on performance and composition of pigs phenotypically sorted into fat and lean groups, 1361
Pheromone
Initiation of postpartum luteal function in primiparous restricted-suckled beef cows exposed to a bull or excretory products of bulls or cows, 2495
Phosphorus
An improved method for a rapid determination of phytase activity in animal feed, 1062
Bioavailability of phosphorus in meat and bone meal for swine, 1054
Calcium, phosphorus, and amino acid digestibility in low-phytate corn, normal corn, and soybean meal by growing pigs, 2396
Effects of particle size, ash content, and processing pressure on the bioavailability of phosphorus in meat and bone meal for swine, 2554
Escherichia coli phytase improves growth performance of starter, grower, and finisher pigs fed phosphorus-deficient diets, 1882
Physiological Response
Effects of increasing temperatures on physiological changes in pigs at different relative humidities, 1385
Physiology
Effect of repeated regrouping and relocation on the physiological, immunological, and hematological variables and performance of steers, 1948
Phytase
An improved method for a rapid determination of phytase activity in animal feed, 1062
Effect of microbial phytase addition with or without the trace mineral premix in nursery, growing, and finishing pig diets, 376
Effect of phytase supplementation to a low- and a high-phytate diet for growing pigs on the digestibilities of crude protein, amino acids, and energy, 2130
Effect of phytase supplementation to diets for weanling pigs on the digestibilities of crude protein, amino acids, and energy, 625
Effects of supplemental dietary phytase and pharmacological concentrations of zinc on growth performance and tissue zinc concentrations of weanling pigs, 386
Escherichia coli phytase improves growth performance of starter, grower, and finisher pigs fed phosphorus-deficient diets, 1882
Phytate
Effect of phytase supplementation to a low- and a high-phytate diet for growing pigs on the digestibilities of crude protein, amino acids, and energy, 2130
Pig
Breed and age affect baseline immune traits, cortisol, and performance in growing pigs, 2087
Differentially transcribed genes in skeletal muscle of Duroc and Taoyuan pigs, 2075
Effect of feed particle size and feed processing on morphological characteristics in the small and large intestine of pigs and on adhesion of *Salmonella enterica* serovar Typhimurium DT12 in the ileum in vitro, 1554
Effect of the porcine *IGF2*-intron3-G3072A substitution in an outbred Large White population and in an Iberian × Landrace cross, 2723
Effects of castration, tooth resection, or tail docking on plasma metabolites and stress hormones in young pigs, 216
Effects of increasing temperatures on physiological changes in pigs at different relative humidities, 1385
Effects of iron supplementation on binding activity of iron regulatory proteins and the subsequent effect on growth performance

and indices of hematological and mineral status of young pigs, 2137
Effects of spray-dried animal plasma and immunoglobulins on performance of early weaned pigs, 2876
Estimate of the variability of the lysine requirement of growing pigs using the indicator amino acid oxidation technique, 2535
Exclusion of the swine leukocyte antigens as candidate region and reduction of the position interval for the *Sus scrofa* chromosome 7 QTL affecting growth and fatness, 1979
Expression of adiponectin and its receptors in swine, 565
Expression of genes involved in regulation of cell turnover during milk stasis and lactation rescue in sow mammary glands, 2349
Functional characterization of a cloned pig intestinal peptide transporter (pPepT1), 172
Genetic parameters for carcass composition and pork quality estimated in a commercial production chain, 324
Hepatic corticosteroid-binding globulin (CBG) messenger RNA expression and plasma CBG concentrations in young pigs in response to heat and social stress, 208
Influence of supplemental magnesium, tryptophan, vitamin C, and vitamin E on stress responses of pigs to vibration, 1568
Isoleucine requirement of 80- to 120-kilogram barrows fed corn-soybean meal or corn-blood cell diets, 2543
Large-scale, multibreed, multitrait analyses of quantitative trait loci experiments: The case of porcine X chromosome, 2289
Metabolizable energy value of meat and bone meal for pigs, 2519
Polymorphism of the pig *2,4-dienoyl CoA reductase 1* gene (*DECR1*) and its association with carcass and meat quality traits, 493
The effect of active immunization against adrenocorticotropic hormone on cortisol, β-endorphin, vocalization, and growth in pigs, 2372

Piglet
Effect of a short-term fast on intestinal disaccharidase activity and villus morphology of piglets suckling insulin-like growth factor-I transgenic sows, 2404

Piglet Vitality
Preweaning piglet mortality in relation to placental efficiency, 144

Piglets
Effect of phytase supplementation to diets for weanling pigs on the digestibilities of crude protein, amino acids, and energy, 625
Effects of dietary quillaja saponin and curcumin on the performance and immune status of weaned piglets, 82
Effects of β-glucan obtained from the Chinese herb *Astragalus membranaceus* and lipopolysaccharide challenge on performance, immunological, adrenal, and somatotropic responses of weanling pigs, 2775

Pigs
Additivity of values for apparent and standardized ileal digestibility of amino acids in mixed diets fed to growing pigs, 2387
Behavior, preference for, and use of alfalfa, tall fescue, white clover, and buffalograss by pregnant gilts in an outdoor production system, 2225
Bioavailability of phosphorus in meat and bone meal for swine, 1054
Breeding for societally important traits in pigs, 948
Calcium, phosphorus, and amino acid digestibility in low-phytate corn, normal corn, and soybean meal by growing pigs, 2396
Characterization of porcine β_1- and β_2-adrenergic receptors in heart, skeletal muscle, and adipose tissue, and the identification of an atypical β-adrenergic binding site, 2339
Comparison of dietary selenium fed to grower-finisher pigs from various regions of the United States on resulting tissue Se and loin mineral concentrations, 852
Comparison of growth performance and zinc absorption, retention, and excretion in weanling pigs fed diets supplemented with zinc-polysaccharide or zinc oxide, 2380
Comparison of three models to estimate breeding values for percentage of loin intramuscular fat in Duroc swine, 750
Comparison of yellow dent and NutriDense corn hybrids in swine diets, 2624
Diet modifications to improve finishing pig growth performance and pork quality attributes during periods of heat stress, 243
Effect of feed withdrawal and handling intensity on longissimus muscle glycolytic potential and blood measurements in slaughter weight pigs, 1536
Effect of glutamine and spray-dried plasma on growth performance, small intestinal morphology, and immune responses of *Escherichia coli* K88$^+$-challenged weaned pigs, 634
Effect of microbial phytase addition with or without the trace mineral premix in nursery, growing, and finishing pig diets, 376
Effects of L-carnitine on fetal growth and the IGF system in pigs, 1824
Effects of chromium propionate on growth, carcass traits, and pork quality of growing-finishing pigs, 858
Effects of dietary magnesium and short-duration transportation on stress response, postmortem muscle metabolism, and meat quality of finishing swine, 1633
Effects of dietary supplementation with L-carnitine and fat on blood acid-base responses to handling in slaughter weight pigs, 75
Effects of particle size, ash content, and processing pressure on the bioavailability of phosphorus in meat and bone meal for swine, 2554
Effects of proportion of pigs removed from a group and subsequent floor space on growth performance of finishing pigs, 449
Efficacy of spray-drying to reduce infectivity of pseudorabies and porcine reproductive and respiratory syndrome (PRRS) viruses and seroconversion in pigs fed diets containing spray-dried animal plasma, 1933
Escherichia coli phytase improves growth performance of starter, grower, and finisher pigs fed phosphorus-deficient diets, 1882
Estimation of the ideal ratio of true ileal digestible sulfur amino acids:lysine in 8- to 26-kg nursery pigs, 2527
Evidence of a new leukemia inhibitory factor-associated genetic marker for litter size in a synthetic pig line, 2264
Genetic analysis of age at first service, return rate, litter size, and weaning-to-first service interval of gilts and sows, 41
Genetic and phenotypic relationships between individual subcutaneous backfat layers and percentage of longissimus intramuscular fat in Duroc swine, 316
Glufosinate herbicide-tolerant (LibertyLink) rice vs. conventional rice in diets for growing-finishing swine, 1068
Identification of carcass and meat quality quantitative trait loci in a Landrace pig population selected for growth and leanness, 293
Identification of errors and factors associated with errors in data from electronic swine feeders, 969
Incidence of splayleg pigs in Nebraska litter size selection lines, 34
Increasing dietary pectin level reduces utilization of digestible threonine intake, but not lysine intake, for body protein deposition in growing pigs, 1044
Influence of supplementation of all-*rac*-α-tocopheryl acetate preweaning and vitamin C postweaning on α-tocopherol and immune responses of piglets, 1274
Negative effects of stress immediately before slaughter on pork quality are aggravated by suboptimal transport and lairage conditions, 440
Performance of growing-finishing pigs fed diets containing YieldGard Rootworm corn (MON 863), a nontransgenic genetically similar corn, or conventional corn hybrids, 1581
Preslaughter handling effects on pork quality and glycolytic potential in two muscles differing in fiber type composition, 900
Quantitative trait loci mapping for meat quality and muscle fiber traits in a Japanese wild boar × Large White intercross, 308
Repeated handling of pigs during rearing. I. Refusal of contact by the handler and reactivity to familiar and unfamiliar humans, 1653
Repeated handling of pigs during rearing. II. Effect of reactivity to humans on aggression during mixing and on meat quality, 1664
Selection for placental efficiency in swine: Genetic parameters and trends, 983
Six component intervals of nonproductive days by breeding-female pigs on commercial farms, 1406
Technical note: Improved technique for fitting pigs with steered ileocecal valve cannulas, 1563
The tryptophan requirement of growing and finishing barrows, 1303
Two quantitative trait loci on *Sus scrofa* chromosomes 1 and 7 affecting the number of vertebrae, 2247
Water intake and wastage at nipple drinkers by growing-finishing pigs, 1413

Pituitary
Effect of copper status, supplementation, and source on pituitary responsiveness to exogenous gonadotropin-releasing hormone in ovariectomized beef cows, 1812

Pituitary Gland
Induced expression of c-fos in the diencephalon and pituitary gland of goats following transportation, 1845
Placenta
Growth hormone at breeding modifies conceptus development and postnatal growth in sheep, 810
Placental Efficiency
Preweaning piglet mortality in relation to placental efficiency, 144
Selection for placental efficiency in swine: Genetic parameters and trends, 983
Placental Weight
Preweaning piglet mortality in relation to placental efficiency, 144
Plant Extracts
Screening for the effects of natural plant extracts at different pH on in vitro rumen microbial fermentation of a high-concentrate diet for beef cattle, 2572
Plant Tissues
Effects of size of ingestively masticated fragments of plant tissues on kinetics of digestion of NDF, 1602
Models for estimating parameters of neutral detergent fiber digestion by ruminal microorganisms, 1591
Plasma Lipids
Effects of dietary n-6 or n-3 polyunsaturated fatty acids protected or not against ruminal hydrogenation on plasma lipids and their susceptibility to peroxidation in fattening steers, 2162
Plasma Urea Nitrogen
Isoleucine requirement of 80- to 120-kilogram barrows fed corn-soybean meal or corn-blood cell diets, 2543
Pleiotropy
Multiple effects of an additional growth hormone gene in adult sheep, 1868
Polymorphism
Polymorphism of the *DQA2* gene in goats, 963
Technical Note: Determination of alleles of the ovine *PRNP* gene using PCR-single-strand conformational polymorphism analysis, 745
Polynomial Regression
Joint longitudinal modeling of age of dam and age of animal for growth traits in beef cattle, 2736
Polyunsaturated Fatty Acids
Effect of docosahexaenoic acid and arachidonic acid on the expression of adipocyte determination and differentiation-dependent factor 1 in differentiating porcine adipocytes, 1516
Porcine
Effect of docosahexaenoic acid and arachidonic acid on the expression of adipocyte determination and differentiation-dependent factor 1 in differentiating porcine adipocytes, 1516
Porcine Parvovirus
Efficacy of spray-drying to reduce infectivity of pseudorabies and porcine reproductive and respiratory syndrome (PRRS) viruses and seroconversion in pigs fed diets containing spray-dried animal plasma, 1933
Porcine Reproductive and Respiratory Syndrome Virus
Efficacy of spray-drying to reduce infectivity of pseudorabies and porcine reproductive and respiratory syndrome (PRRS) viruses and seroconversion in pigs fed diets containing spray-dried animal plasma, 1933
Porcine Somatotropin
Lysine requirement of finishing pigs administered porcine somatotropin by sustained-release implant, 2789
Pork Quality
Diet modifications to improve finishing pig growth performance and pork quality attributes during periods of heat stress, 243
Effects of chromium propionate on growth, carcass traits, and pork quality of growing-finishing pigs, 858
Effects of dietary magnesium and short-duration transportation on stress response, postmortem muscle metabolism, and meat quality of finishing swine, 1633
The effect of ractopamine hydrochloride on lean carcass yields and pork quality characteristics, 2886
The effects of halothane sensitivity on carcass composition and meat quality in HAL-1843-normal pigs, 671
Portion Size
Determining the optimum beef longissimus muscle size for retail consumers, 2598
Postmortem
Duplication of the pale, soft, and exudative condition starting with normal postmortem pork, 2843
Postmortem Metabolism
Duration of restraint and isolation stress as a model to study the dark-cutting condition in cattle, 1202
Effects of dietary magnesium and short-duration transportation on stress response, postmortem muscle metabolism, and meat quality of finishing swine, 1633
Postmortem Proteolysis
Calpain 3/p94 is not involved in postmortem proteolysis, 1646
Postpartum Anestrus
Effects of varying energy intake and sire breed on duration of postpartum anestrus, insulin like growth factor-1, and growth hormone in mature crossbred cows, 1705
Postpartum Interval
Effects of supplementation of whole corn germ on reproductive performance, calf performance, and leptin concentration in primiparous and mature beef cows, 2663
Initiation of postpartum luteal function in primiparous restricted-suckled beef cows exposed to a bull or excretory products of bulls or cows, 2495
Introduction of bulls at different days postpartum on resumption of ovarian cycling activity in primiparous beef cows, 2106
Preadipocyte
A method to establish co-cultures of myotubes and preadipocytes from collagenase digested neonatal pig semitendinosus muscles, 1010
Prediction
Prediction of retail product and trimmable fat yields from the four primal cuts in beef cattle using ultrasound or carcass data, 1353
Pregnancy
Allelic variation in the secreted folate binding protein gene is associated with uterine capacity in swine, 1860
Factors associated with early and mid-to-late fetal loss in lactating and nonlactating Holstein cattle in a hot climate, 1017
Growth hormone at breeding modifies conceptus development and postnatal growth in sheep, 810
Nutritionally altering weight gain patterns of pregnant heifers and young cows changes the time that feed resources are offered without any differences in production, 916
Prenatal Survival
Divergent selection for uterine capacity in rabbits. II. Correlated response in litter size and its components estimated with a cryopreserved control population, 2303
Divergent selection for uterine capacity in rabbits. III. Responses in uterine capacity and its components estimated with a cryopreserved control population, 2308
Preorbital Gland Opening
Preorbital gland opening in red deer (*Cervus elaphus*) calves: Signal of hunger?, 124
Prepartum Energy Balance
Body condition score at parturition and postpartum supplemental fat effects on cow and calf performance, 2908
Prepuberty
Exogenous prolactin stimulates mammary development and alters expression of prolactin-related genes in prepubertal gilts, 825
Preslaughter Handling
Preslaughter handling effects on pork quality and glycolytic potential in two muscles differing in fiber type composition, 900
Preweaning
Relationship of sire expected progeny differences to milk yield in Brangus cows, 1194
Preweaning Mortality
Preweaning piglet mortality in relation to placental efficiency, 144
Use of a crush-reducing device to decrease crushing of suckling piglets by sows, 1397
Prices
Effects of marbling and shear force on consumers' willingness to pay for beef strip loin steaks, 890
Primary Culture
Isomer-specific regulation of differentiating pig preadipocytes by conjugated linoleic acids, 2096
Regulation of differentiating pig preadipocytes by retinoic acid, 98
Principal Components
Evaluation of approaches to detect quantitative trait loci for growth, carcass, and meat quality on swine chromosomes 2, 6, 13, and 18. II. Multivariate and principal component analyses, 2471
Prion
Prion biology relevant to bovine spongiform encephalopathy, 1455

Prion Protein Gene (*PRNP*)
Technical Note: Determination of alleles of the ovine *PRNP* gene using PCR-single-strand conformational polymorphism analysis, 745
Processing
Effect of grain processing degree on intake, digestion, ruminal fermentation, and performance characteristics of steers fed medium-concentrate growing diets, 2815
Production
Behavior, physiology, and performance of bulls mixed at the onset of finishing to form uniform body weight groups, 1696
Measuring fluctuating asymmetry in fattening rabbits: A valid indicator of performance and housing quality?, 2645
Production System
A beef herd model for simulating feed intake, animal performance, and manure excretion in farm systems, 231
Productivity
The incidence of genotypes at codon 171 of the prion protein gene (*PRNP*) in five breeds of sheep and production traits of ewes associated with those genotypes, 455
Profit Function
Relationship between profitability and type traits and derivation of economic values for reproduction and survival traits in Chianina beef cows, 2043
Profitability
Factors affecting carcass value and profitability in early-weaned Simmental steers: I. Five-year average pricing, 2918
Factors affecting carcass value and profitability in early-weaned Simmental steers: II. Days on feed endpoints and sorting strategies, 2926
Progeny Testing
Effects of genotype × environment interaction on genetic gain in breeding programs, 49
Progesterone
Effect of administration of human chorionic gonadotropin after artificial insemination on concentrations of progesterone and conception rates in beef heifers, 1403
Fish meal supplementation alters uterine prostaglandin $F_{2\alpha}$ synthesis in beef heifers with low luteal-phase progesterone, 1832
Progestin
Effect of P.G. 600 on the timing of ovulation in gilts treated with altrenogest, 1690
Prolactin
Exogenous prolactin stimulates mammary development and alters expression of prolactin-related genes in prepubertal gilts, 825
Prolactin Receptor
Expression of genes involved in regulation of cell turnover during milk stasis and lactation rescue in sow mammary glands, 2349
Proliferation
Porcine preadipocyte proliferation and differentiation: A role for leptin?, 2066
Propylene Glycol
Effects of propylene glycol on carcass traits and its related gene expression in Korean native steers, 344
Prostaglandin
Fish meal supplementation alters uterine prostaglandin $F_{2\alpha}$ synthesis in beef heifers with low luteal-phase progesterone, 1832
Proteasome
Butyrate-induced apoptosis and cell cycle arrest in bovine kidney epithelial cells: Involvement of caspase and proteasome pathways, 89
Protein
Changes in weight and composition in various tissues of pregnant gilts and their nutritional implication, 366
Influence of dietary crude protein concentration and source on potential ammonia emissions from beef cattle manure, 722
Optimal wet corn gluten and protein levels in steam-flaked corn-based finishing diets for steer calves, 2798
Technical Note: A dynamic model to predict the composition of fat-free matter gains in cattle, 1262
Protein Degradation
Changes in ruminal fermentation and protein degradation in growing Holstein heifers from 80 to 250 kg fed high-concentrate diets with different forage-to-concentrate ratios, 1616
Protein Deposition
Increasing dietary pectin level reduces utilization of digestible threonine intake, but not lysine intake, for body protein deposition in growing pigs, 1044
Protein Efficiency Ratio
Chemical composition, protein quality, palatability, and digestibility of alternative protein sources for dogs, 2414
Protein Quality
Chemical composition, protein quality, palatability, and digestibility of alternative protein sources for dogs, 2414
Protein Sources
Chemical composition, protein quality, palatability, and digestibility of alternative protein sources for dogs, 2414
Protein Supplementation
Influence of protein supplementation frequency on cows consuming low-quality forage: Performance, grazing behavior, and variation in supplement intake, 1715
Proteolysis
Effect of pH and ionic strength on μ- and m-calpain inhibition by calpastatin, 1370
Protozoa
Effect of diets containing linoleic acid- or oleic acid-rich oils on ruminal fermentation and nutrient digestibility, and performance and fatty acid composition of adipose and muscle tissues of finishing cattle, 1312
Pseudorabies Virus
Efficacy of spray-drying to reduce infectivity of pseudorabies and porcine reproductive and respiratory syndrome (PRRS) viruses and seroconversion in pigs fed diets containing spray-dried animal plasma, 1933
Puberty
Effect of age and physical or fence-line boar exposure on estrus and ovulation response in prepubertal gilts administered PG600, 460
Incidence of puberty in beef heifers fed high- or low-starch diets for different periods before breeding, 2653
Pulp
Nutrient digestibility in sheep fed diets containing Roundup Ready or conventional fodder beet, sugar beet, and beet pulp, 400

Q

Quality
Characterization of biological types of cattle (Cycle VII): Carcass, yield, and longissimus palatability traits, 196
Effects of marbling and shear force on consumers' willingness to pay for beef strip loin steaks, 890
Quality Grade
The effect of a leptin single nucleotide polymorphism on quality grade, yield grade, and carcass weight of beef cattle, 927
Quality Standards
Identification of errors and factors associated with errors in data from electronic swine feeders, 969
Quantification
An assessment of extraction and assay techniques for quantification of calpain and calpastatin from small tissue samples, 2182
Quantitative Trail Loci
Bayesian analysis of quantitative trait loci for boar taint in a Landrace outbred population, 301
Quantitative Trait Loci
Effect of the porcine *IGF2*-intron3-G3072A substitution in an outbred Large White population and in an Iberian × Landrace cross, 2723
Exclusion of the swine leukocyte antigens as candidate region and reduction of the position interval for the *Sus scrofa* chromosome 7 QTL affecting growth and fatness, 1979
Identification of carcass and meat quality quantitative trait loci in a Landrace pig population selected for growth and leanness, 293
Joint analysis of two-breed cross populations in pigs to improve detection and characterization of quantitative trait loci, 1229
Meat quality traits were unaffected by a quantitative trait locus affecting leg composition traits in Texel sheep, 2729
Polymorphism of the pig *2,4-dienoyl CoA reductase 1* gene (*DECR1*) and its association with carcass and meat quality traits, 493
Quantitative trait loci mapping for meat quality and muscle fiber traits in a Japanese wild boar × Large White intercross, 308
Two quantitative trait loci on *Sus scrofa* chromosomes 1 and 7 affecting the number of vertebrae, 2247

Quantitative Trait Locus
A directed search in the region of GDF8 for quantitative trait loci affecting carcass traits in Texel sheep, 1988
Large-scale, multibreed, multitrait analyses of quantitative trait loci experiments: The case of porcine X chromosome, 2289
Quillaja
Effects of dietary quillaja saponin and curcumin on the performance and immune status of weaned piglets, 82

R

Rabbit
Genetic parameters of fertility in two lines of rabbits with different reproductive potential, 340
Rabbits
Carcass composition, bone mechanical properties, and meat quality traits in relation to growth rate in rabbits, 1526
Divergent selection for uterine capacity in rabbits. I. Genetic parameters and response to selection, 2297
Divergent selection for uterine capacity in rabbits. II. Correlated response in litter size and its components estimated with a cryopreserved control population, 2303
Divergent selection for uterine capacity in rabbits. III. Responses in uterine capacity and its components estimated with a cryopreserved control population, 2308
Measuring fluctuating asymmetry in fattening rabbits: A valid indicator of performance and housing quality?, 2645
Ractopamine
Effects of different cereal grains and ractopamine hydrochloride on performance, carcass characteristics, and fat quality in late-finishing pigs, 223
Effects of ractopamine on performance and composition of pigs phenotypically sorted into fat and lean groups, 1361
The effect of ractopamine hydrochloride on lean carcass yields and pork quality characteristics, 2886
Ram
Changes in spermatogenesis and endocrine function in the ram testis due to irradiation and active immunization against luteinizing hormone-releasing hormone, 604
Random Regression
A practical longitudinal model for evaluating growth in Gelbvieh cattle, 29
Estimation of direct and maternal genetic and permanent environmental effects for weights from birth to 356 days of age in a herd of Japanese Black cattle using random regression, 519
Genetic parameters estimated with multi-trait and linear spline-random regression models using Gelbvieh early growth data, 757
Random Regression Model
Studies on multiple trait and random regression models for genetic evaluation of beef cattle for growth, 62
Rangelands
Calving system and weaning age effects on cow and preweaning calf performance in the Northern Great Plains, 2671
Rat
A model of fescue toxicosis: Responses of rats to intake of endophyte-infected tall fescue, 1423
Reading
Encouraging science reading beyond the curriculum, 1972
Real-Time Polymerase Chain Reaction
The heritability of the expression of two stress-regulated gene fragments in pigs, 1753
Real-Time Ultrasound
Estimation in vivo of the body and carcass chemical composition of growing lambs by real-time ultrasonography, 350
Red Deer Calves
Preorbital gland opening in red deer (*Cervus elaphus*) calves: Signal of hunger?, 124
Reductase
Polymorphism of the pig *2,4-dienoyl CoA reductase 1* gene (*DECR1*) and its association with carcass and meat quality traits, 493
Regression
Metabolizable energy value of meat and bone meal for pigs, 2519
Regrouping and Repenning
Effect of repeated regrouping and relocation on the physiological, immunological, and hematological variables and performance of steers, 1948
Relative Humidity
Effects of increasing temperatures on physiological changes in pigs at different relative humidities, 1385
Removal
Effects of proportion of pigs removed from a group and subsequent floor space on growth performance of finishing pigs, 449
Reproduction
Effect of copper status, supplementation, and source on pituitary responsiveness to exogenous gonadotropin-releasing hormone in ovariectomized beef cows, 1812
Effect of the chemical form of supranutritional selenium on selenium load and selenoprotein activities in virgin, pregnant, and lactating rats, 422
Evaluation of Dorset, Finnsheep, Romanov, Texel, and Montadale breeds of sheep: V. Reproduction of F_1 ewes in spring mating seasons, 2743
Genetic analysis of age at first service, return rate, litter size, and weaning-to-first service interval of gilts and sows, 41
Genetic relationship between milk score and litter weight for Targhee, Columbia, Rambouillet, and Polypay sheep, 786
Influence of body weight, age, and weight gain on fertility and prolificacy in four breeds of ewe lambs, 1680
Reproductive Efficiency
Evaluation of ovulation rate and ovarian phenotype in puberal heifers from a cattle population selected for increased ovulation rate, 1839
Six component intervals of nonproductive days by breeding-female pigs on commercial farms, 1406
Requirement
Estimate of the variability of the lysine requirement of growing pigs using the indicator amino acid oxidation technique, 2535
The tryptophan requirement of growing and finishing barrows, 1303
Residual Heteroskedasticity
Multiple-breed genetic inference using heavy-tailed structural models for heterogeneous residual variances, 1766
Restricted Index
An iterative procedure for deriving selection indexes with constant restrictions, 2313
Restricted Intake
Supplementing a ruminally undegradable protein supplement to maintain essential amino acid supply to the small intestine when forage intake is restricted in beef cattle, 2151
Restricted Maximum Likelihood
Unexpected estimates of variance components with a true model containing genetic competition effects, 68
Retail
Determining the optimum beef longissimus muscle size for retail consumers, 2598
Retinoic Acid
Regulation of differentiating pig preadipocytes by retinoic acid, 98
Rice
Glufosinate herbicide-tolerant (LibertyLink) rice vs. conventional rice in diets for growing-finishing swine, 1068
Rice Bran Oil
Effects of rice bran oil on plasma lipid concentrations, lipoprotein composition, and glucose dynamics in mares, 2509
Ridge Regression
Estimation of genetic effects in the presence of multicollinearity in multibreed beef cattle evaluation, 1788
Rumen
Effects of size of ingestively masticated fragments of plant tissues on kinetics of digestion of NDF, 1602
Models for estimating parameters of neutral detergent fiber digestion by ruminal microorganisms, 1591
Ruminal Fermentation
Changes in ruminal fermentation and protein degradation in growing Holstein heifers from 80 to 250 kg fed high-concentrate diets with different forage-to-concentrate ratios, 1616
Ruminal Gas
Wheat pasture bloat dynamics, in vitro ruminal gas production, and potential bloat mitigation with condensed tannins, 1322
Ruminal pH
Effect of rapid or gradual grain adaptation on subacute acidosis and feed intake by feedlot cattle, 1116
Non-steady-state modeling of effects of timing and level of concentrate supplementation on ruminal pH and forage intake in high-producing, grazing ewes, 1102

Screening for the effects of natural plant extracts at different pH on in vitro rumen microbial fermentation of a high-concentrate diet for beef cattle, 2572
Ruminally Undegradable Protein
Effect of restricted forage intake on ruminal disappearance of bromegrass hay and a blood meal, feather meal, and fish meal supplement, 2146
Level of supplemental protein does not influence the ruminally undegradable protein value, 863
Supplementing a ruminally undegradable protein supplement to maintain essential amino acid supply to the small intestine when forage intake is restricted in beef cattle, 2151
Ruminants
Improving the nutritional value of oat hulls for ruminant animals with pretreatment of a multienzyme cocktail: In vitro studies, 1133

S

Safflower Oil
Effect of diets containing linoleic acid- or oleic acid-rich oils on ruminal fermentation and nutrient digestibility, and performance and fatty acid composition of adipose and muscle tissues of finishing cattle, 1312
Sagebrush Steppe
Influence of protein supplementation frequency on cows consuming low-quality forage: Performance, grazing behavior, and variation in supplement intake, 1715
Salmo salar
Comparing efficiency of metabolizable energy utilization by rainbow trout (*Oncorhynchus mykiss*) and Atlantic salmon (*Salmo salar*) using factorial and multivariate approaches, 842
Salmonella
Effect of feed particle size and feed processing on morphological characteristics in the small and large intestine of pigs and on adhesion of *Salmonella enterica* serovar Typhimurium DT12 in the ileum in vitro, 1554
Satiety
Preorbital gland opening in red deer (*Cervus elaphus*) calves: Signal of hunger?, 124
Scrapie
The incidence of genotypes at codon 171 of the prion protein gene (*PRNP*) in five breeds of sheep and production traits of ewes associated with those genotypes, 455
Scrotal Circumference
Estimates of genetic correlations between days to calving and reproductive and weight traits in Nelore cattle, 1511
Seasonal Dynamics
Seasonal changes in weight and body composition of yak grazing on alpine-meadow grassland in the Qinghai-Tibetan Plateau of China, 1908
Selected Population
Identification of carcass and meat quality quantitative trait loci in a Landrace pig population selected for growth and leanness, 293
Selection
Comparison of three models to estimate breeding values for percentage of loin intramuscular fat in Duroc swine, 750
Follicular development and maturation in gilts selected for an index of high ovulation rate and high prenatal survival, 130
Genetic parameters for stayability, stayability at calving, and stayability at weaning to specified ages for Hereford cows, 2033
Incidence of splayleg pigs in Nebraska litter size selection lines, 34
Selection for placental efficiency in swine: Genetic parameters and trends, 983
Selection Index
A simultaneous procedure for deriving selection indexes with multiple restrictions, 531
Selection Response
Divergent selection for uterine capacity in rabbits. III. Responses in uterine capacity and its components estimated with a cryopreserved control population, 2308
Selection Responses
Genetic evaluation of the ratio of calf weaning weight to cow weight, 794
Selenium
Comparison of dietary selenium fed to grower-finisher pigs from various regions of the United States on resulting tissue Se and loin mineral concentrations, 852
Effect of the chemical form of supranutritional selenium on selenium load and selenoprotein activities in virgin, pregnant, and lactating rats, 422
Time-dependent influence of supranutritional organically bound selenium on selenium accumulation in growing wether lambs, 1186
Selenocystine
Effect of the chemical form of supranutritional selenium on selenium load and selenoprotein activities in virgin, pregnant, and lactating rats, 422
Selenomethionine
Effect of the chemical form of supranutritional selenium on selenium load and selenoprotein activities in virgin, pregnant, and lactating rats, 422
Semiparametric Models
Semiparametric animal models via penalized splines as alternatives to models with contemporary groups, 2482
Sensory Analysis
Flavor characterization of top-blade, top-sirloin, and tenderloin steaks as affected by pH, maturity, and marbling, 2618
Sensory Attributes
Beef quadriceps hot boning and modified-atmosphere packaging influence properties of injection-enhanced beef round muscles, 686
Sensory Traits
Meat quality responses to feeding distiller's grains to finishing Holstein steers, 2455
Sequestering Agents
Activated carbon does not prevent the toxicity of culture material containing fumonisin B_1 when fed to weanling piglets, 1939
Seroconversion
Efficacy of spray-drying to reduce infectivity of pseudorabies and porcine reproductive and respiratory syndrome (PRRS) viruses and seroconversion in pigs fed diets containing spray-dried animal plasma, 1933
Sertoli Cells
Testicular development of Zebu bulls after chronic treatment with a gonadotropin-releasing hormone agonist, 2111
Serum Leptin
Polymorphisms in the bovine leptin promoter associated with serum leptin concentration, growth, feed intake, feeding behavior, and measures of carcass merit, 20
Serving Capacity
Effects of novel females and stage of the estrous cycle on sexual behavior in mature beef bulls, 613
Effects of sequential or group exposure to unrestrained estrual females on expression of sexual behavior in sexually experienced beef bulls, 1801
Sex Chromosome
Large-scale, multibreed, multitrait analyses of quantitative trait loci experiments: The case of porcine X chromosome, 2289
Shear Force
A new single nucleotide polymorphism in *CAPN1* extends the current tenderness marker test to include cattle of *Bos indicus*, *Bos taurus*, and crossbred descent, 2001
Sheep
Dry matter intake and digestion of alfalfa harvested at sunset and sunrise, 262
Effect of testosterone on insulin-like growth factor-I, androgen receptor, and myostatin gene expression in splenius and semitendinosus muscles in sheep, 803
Effects of locoweed on serum swainsonine and selected serum constituents in sheep during acute and subacute oral/intraruminal exposure, 466
Effects of γ-terpinene, terpinolene, α-copaene, and α-terpinene on consumption of alfalfa pellets by sheep, 1967
Estimates of genetic parameters for feed intake, feeding behavior, and daily gain in composite ram lambs, 777
Evaluation of Dorset, Finnsheep, Romanov, Texel, and Montadale breeds of sheep: V. Reproduction of F_1 ewes in spring mating seasons, 2743
Growth hormone at breeding modifies conceptus development and postnatal growth in sheep, 810
High mineral and vitamin E intake by pregnant ewes lowers colostral immunoglobulin G absorption by the lamb, 871

Influence of body weight, age, and weight gain on fertility and prolificacy in four breeds of ewe lambs, 1680
Multiple effects of an additional growth hormone gene in adult sheep, 1868
Non-steady-state modeling of effects of timing and level of concentrate supplementation on ruminal pH and forage intake in high-producing, grazing ewes, 1102
Nutrient digestibility in sheep fed diets containing Roundup Ready or conventional fodder beet, sugar beet, and beet pulp, 400
Ontogeny of factors associated with proliferation and differentiation of muscle in the ovine fetus, 2330
Technical Note: Determination of alleles of the ovine *PRNP* gene using PCR-single-strand conformational polymorphism analysis, 745
The effect of maternal undernutrition before muscle differentiation on the muscle fiber development of the newborn lamb, 2564
The incidence of genotypes at codon 171 of the prion protein gene (*PRNP*) in five breeds of sheep and production traits of ewes associated with those genotypes, 455
Time-dependent influence of supranutritional organically bound selenium on selenium accumulation in growing wether lambs, 1186
Sheep Breeds
Testing the usefulness of the molecular coancestry information to assess genetic relationships in livestock using a set of Spanish sheep breeds, 737
Short-Chain Fatty Acids
Effects of adding valerate, caproate, and heptanoate to ruminal buffers on splanchnic metabolism in steers under washed-rumen conditions, 1899
Sib Testing
Effects of genotype × environment interaction on genetic gain in breeding programs, 49
Sib-Pair
Evaluation of approaches to detect quantitative trait loci for growth, carcass, and meat quality on swine chromosomes 2, 6, 13, and 18. I. Univariate outbred F_2 and sib-pair analyses, 1481
Signal
Preorbital gland opening in red deer (*Cervus elaphus*) calves: Signal of hunger?, 124
Simulation
A beef herd model for simulating feed intake, animal performance, and manure excretion in farm systems, 231
Unexpected estimates of variance components with a true model containing genetic competition effects, 68
Single Nucleotide Polymorphism
Association of single nucleotide polymorphisms, in the leptin gene with carcass and meat quality traits of beef cattle, 2009
Identification of genetic markers for fat deposition and meat tenderness on bovine chromosome 5: Development of a low-density single nucleotide polymorphism map, 2280
Single-Strand Conformational Polymorphism
Polymorphism of the *DQA2* gene in goats, 963
Technical Note: Determination of alleles of the ovine *PRNP* gene using PCR-single-strand conformational polymorphism analysis, 745
Skatole
Bayesian analysis of quantitative trait loci for boar taint in a Landrace outbred population, 301
Skeletal Muscle
Differentially transcribed genes in skeletal muscle of Duroc and Taoyuan pigs, 2075
Nutrient restriction differentially modulates the mammalian target of rapamycin signaling and the ubiquitin-proteasome system in skeletal muscle of cows and their fetuses, 117
Skeletal Muscle LIM Protein 1
Differentially transcribed genes in skeletal muscle of Duroc and Taoyuan pigs, 2075
Slaughter
Repeated handling of pigs during rearing. II. Effect of reactivity to humans on aggression during mixing and on meat quality, 1664
Slaughter Endpoints
Genetic analysis of carcass traits of steers adjusted to age, weight, or fat thickness slaughter endpoints, 764
Slope
Metabolizable energy value of meat and bone meal for pigs, 2519
Social Behavior
Repeated handling of pigs during rearing. I. Refusal of contact by the handler and reactivity to familiar and unfamiliar humans, 1653
Social Stress
Hepatic corticosteroid-binding globulin (CBG) messenger RNA expression and plasma CBG concentrations in young pigs in response to heat and social stress, 208
Somatotropin
Effects of recombinant bovine somatotropin on growth and abundance of mRNA for IGF-I and IGF-II in channel catfish (*Ictalurus punctatus*), 816
Leptin and leptin receptor expression in skeletal muscle and adipose tissue in response to in vivo porcine somatotropin treatment, 2501
Multiple effects of an additional growth hormone gene in adult sheep, 1868
Pigs weaned from the sow at 10 days of age respond to dietary energy source of manufactured liquid diets and exogenous porcine somatotropin, 1002
Sorting Strategies
Factors affecting carcass value and profitability in early-weaned Simmental steers: II. Days on feed endpoints and sorting strategies, 2926
Sow Culling
Study of codes of disposal at different parities of Large White sows using a linear censored model, 2052
Sow Disposal
Study of codes of disposal at different parities of Large White sows using a linear censored model, 2052
Sow Productivity
Six component intervals of nonproductive days by breeding-female pigs on commercial farms, 1406
Sow Removal
Study of codes of disposal at different parities of Large White sows using a linear censored model, 2052
Sows
Effect of sow parity and weight at service on target maternal weight and energy for gain in gestation, 255
Soybean Meal
Evaluation of low-oligosaccharide, low-phytate whole soybeans and soybean meal in canine foods, 393
Spin Column
An improved method for a rapid determination of phytase activity in animal feed, 1062
Splayleg
Incidence of splayleg pigs in Nebraska litter size selection lines, 34
Spline
A practical longitudinal model for evaluating growth in Gelbvieh cattle, 29
Splines
Studies on multiple trait and random regression models for genetic evaluation of beef cattle for growth, 62
Spray-Dried Animal Plasma
Effects of spray-dried animal plasma and immunoglobulins on performance of early weaned pigs, 2876
Efficacy of spray-drying to reduce infectivity of pseudorabies and porcine reproductive and respiratory syndrome (PRRS) viruses and seroconversion in pigs fed diets containing spray-dried animal plasma, 1933
Spray-Dried Plasma
Effect of glutamine and spray-dried plasma on growth performance, small intestinal morphology, and immune responses of *Escherichia coli* $K88^+$-challenged weaned pigs, 634
Spring Mating
Evaluation of Dorset, Finnsheep, Romanov, Texel, and Montadale breeds of sheep: V. Reproduction of F_1 ewes in spring mating seasons, 2743
Sprinkling
Effect of water sprinkling on incidence of zoonotic pathogens in feedlot cattle, 1959
Stallions
Effect of dexamethasone, feeding time, and insulin infusion on leptin concentrations in stallions, 1875
Standardized Ileal Digestibility
Additivity of values for apparent and standardized ileal digestibility of amino acids in mixed diets fed to growing pigs, 2387
Starch
Incidence of puberty in beef heifers fed high- or low-starch diets for different periods before breeding, 2653

Influence of starch intake on growth and skeletal development of weanling horses, 1033
Stargrass
Estimation of feeding value of four tropical forage species at two stages of maturity, 1726
Steak Appearance
Evaluating consumer acceptability and willingness to pay for various beef chuck muscles, 2605
Steam-Flaked Corn
Optimal wet corn gluten and protein levels in steam-flaked corn-based finishing diets for steer calves, 2798
Stearoyl Coenzyme A Desaturase
Fatty acid indices of stearoyl-CoA desaturase do not reflect actual stearoyl-CoA desaturase enzyme activities in adipose tissues of beef steers finished with corn-, flaxseed-, or sorghum-based diets, 1153
Steer
Effect of grain processing degree on intake, digestion, ruminal fermentation, and performance characteristics of steers fed medium-concentrate growing diets, 2815
Steers
Differential responses to dietary cobalt in finishing steers fed corn- versus barley-based diets, 2580
Dry matter intake and digestion of alfalfa harvested at sunset and sunrise, 262
Effect of repeated regrouping and relocation on the physiological, immunological, and hematological variables and performance of steers, 1948
Effects of propylene glycol on carcass traits and its related gene expression in Korean native steers, 344
Fatty acid indices of stearoyl-CoA desaturase do not reflect actual stearoyl-CoA desaturase enzyme activities in adipose tissues of beef steers finished with corn-, flaxseed-, or sorghum-based diets, 1153
Steroidogenesis
The role of thecal androgen production in the regulation of estradiol biosynthesis by dominant bovine follicles during the first follicular wave, 597
Stocker Programs
Effects of grazing program and subsequent finishing on gene expression in different adipose tissue depots in beef steers, 1914
Stocking Rate
Effects of proportion of pigs removed from a group and subsequent floor space on growth performance of finishing pigs, 449
Effects of stocking and nitrogen fertilization rates on steers grazing dallisgrass-dominated pasture, 2235
Straw Feeding
Measurements of heat production for estimation of maintenance energy requirements of Hereford steers, 2590
Stress
Behavior, physiology, and performance of bulls mixed at the onset of finishing to form uniform body weight groups, 1696
Duration of restraint and isolation stress as a model to study the dark-cutting condition in cattle, 1202
Effect of repeated regrouping and relocation on the physiological, immunological, and hematological variables and performance of steers, 1948
Effects of dietary magnesium and short-duration transportation on stress response, postmortem muscle metabolism, and meat quality of finishing swine, 1633
Effects of grouping unfamiliar cohorts, high ambient temperature and stocking density on live performance of growing pigs, 908
Estimates of heat stress relief needs for Holstein dairy cows, 1377
Induced expression of c-fos in the diencephalon and pituitary gland of goats following transportation, 1845
Influence of supplemental magnesium, tryptophan, vitamin C, and vitamin E on stress responses of pigs to vibration, 1568
Negative effects of stress immediately before slaughter on pork quality are aggravated by suboptimal transport and lairage conditions, 440
Preslaughter handling effects on pork quality and glycolytic potential in two muscles differing in fiber type composition, 900
The effect of early weaning on feedlot performance and measures of stress in beef calves, 933
The heritability of the expression of two stress-regulated gene fragments in pigs, 1753
Vitamin E supplementation of newly arrived feedlot calves, 1924
Stress Factors
Repeated handling of pigs during rearing. II. Effect of reactivity to humans on aggression during mixing and on meat quality, 1664
Stress Susceptibility
The effects of halothane sensitivity on carcass composition and meat quality in HAL-1843-normal pigs, 671
Structural Variance Models
Multiple-breed genetic inference using heavy-tailed structural models for heterogeneous residual variances, 1766
Subacute Exposure
Effects of locoweed on serum swainsonine and selected serum constituents in sheep during acute and subacute oral/intraruminal exposure, 466
Suckling Piglets
Use of a crush-reducing device to decrease crushing of suckling piglets by sows, 1397
Sulfoconjugation
Testicular sulfoconjugation of the 16-androstene steroids by hydroxysteroid sulfotransferase: Its effect on the concentrations of 5α-androstenone in plasma and fat of the mature domestic boar, 358
Sulfotransferase
Testicular sulfoconjugation of the 16-androstene steroids by hydroxysteroid sulfotransferase: Its effect on the concentrations of 5α-androstenone in plasma and fat of the mature domestic boar, 358
Sulfur Amino Acid
Estimation of the ideal ratio of true ileal digestible sulfur amino acids:lysine in 8- to 26-kg nursery pigs, 2527
Supplemental Fat
Effects of chemical hydrogenation of supplemental fat on relative apparent lipid digestibility in finishing swine, 1890
Supplementation
Efficacy of using a combination of rendered protein products as an undegradable intake protein supplement for lactating, winter-calving, beef cows fed bromegrass hay, 187
Supplementing a ruminally undegradable protein supplement to maintain essential amino acid supply to the small intestine when forage intake is restricted in beef cattle, 2151
Supranutritional
Effect of the chemical form of supranutritional selenium on selenium load and selenoprotein activities in virgin, pregnant, and lactating rats, 422
Time-dependent influence of supranutritional organically bound selenium on selenium accumulation in growing wether lambs, 1186
Surgery
Technical note: Improved technique for fitting pigs with steered ileocecal valve cannulas, 1563
Survival
Bayes factor analysis for the genetic background of physiological and vitality variables of F_2 Iberian × Meishan newborn piglets, 334
Genetic and environmental factors associated with incidence of infectious bovine keratoconjunctivitis in preweaned beef calves, 507
Influence of breed, heterozygosity, and disease incidence on estimates of variance components of respiratory disease in preweaned beef calves, 1247
Study of codes of disposal at different parities of Large White sows using a linear censored model, 2052
Survival Analysis
Genetic and environmental factors influencing mortality up to weaning of *Bruna dels Pirineus* beef calves in mountain areas. A survival analysis, 543
Survival to Weaning
Genetic and environmental factors influencing mortality up to weaning of *Bruna dels Pirineus* beef calves in mountain areas. A survival analysis, 543
Sustained-Release Implant
Lysine requirement of finishing pigs administered porcine somatotropin by sustained-release implant, 2789
Swainsonine
Effects of locoweed on serum swainsonine and selected serum constituents in sheep during acute and subacute oral/intraruminal exposure, 466
Sward Height
Influence of sward height, daily timing of concentrate supplementation, and restricted time for grazing on forage utilization by lactating beef cows, 1435

Swine
Activated carbon does not prevent the toxicity of culture material containing fumonisin B_1 when fed to weanling piglets, 1939
Allelic variation in the secreted folate binding protein gene is associated with uterine capacity in swine, 1860
Comparison of growth performance and zinc absorption, retention, and excretion in weanling pigs fed diets supplemented with zinc-polysaccharide or zinc oxide, 2380
Effect of phytase supplementation to a low- and a high-phytate diet for growing pigs on the digestibilities of crude protein, amino acids, and energy, 2130
Effect of withholding feed from swine before slaughter on carcass and viscera weights and meat quality, 715
Effects of chemical hydrogenation of supplemental fat on relative apparent lipid digestibility in finishing swine, 1890
Effects of different cereal grains and ractopamine hydrochloride on performance, carcass characteristics, and fat quality in late-finishing pigs, 223
Effects of grouping unfamiliar cohorts, high ambient temperature and stocking density on live performance of growing pigs, 908
Effects of mannan oligosaccharide and an antimicrobial product in nursery diets on performance of pigs reared on three different farms, 2637
Effects of ractopamine on performance and composition of pigs phenotypically sorted into fat and lean groups, 1361
Estimation of variance components including competitive effects of Large White growing gilts, 1241
Evaluation of approaches to detect quantitative trait loci for growth, carcass, and meat quality on swine chromosomes 2, 6, 13, and 18. I. Univariate outbred F_2 and sib-pair analyses, 1481
Exogenous prolactin stimulates mammary development and alters expression of prolactin-related genes in prepubertal gilts, 825
Isomer-specific regulation of differentiating pig preadipocytes by conjugated linoleic acids, 2096
Joint analysis of two-breed cross populations in pigs to improve detection and characterization of quantitative trait loci, 1229
Leptin and leptin receptor expression in skeletal muscle and adipose tissue in response to in vivo porcine somatotropin treatment, 2501
Newspaper coverage of controversies about large-scale swine facilities in rural communities in Illinois, 2705
Pigs weaned from the sow at 10 days of age respond to dietary energy source of manufactured liquid diets and exogenous porcine somatotropin, 1002
Regulation of differentiating pig preadipocytes by retinoic acid, 98
Study of codes of disposal at different parities of Large White sows using a linear censored model, 2052
The effect of ractopamine hydrochloride on lean carcass yields and pork quality characteristics, 2886
The effects of halothane sensitivity on carcass composition and meat quality in HAL-1843-normal pigs, 671
The heritability of the expression of two stress-regulated gene fragments in pigs, 1753
Two quantitative trait loci on *Sus scrofa* chromosomes 1 and 7 affecting the number of vertebrae, 2247
Use of ear tags and injectable transponders for the identification and traceability of pigs from birth to the end of the slaughter line, 2215
Swine Leukocyte Antigens
Exclusion of the swine leukocyte antigens as candidate region and reduction of the position interval for the *Sus scrofa* chromosome 7 QTL affecting growth and fatness, 1979
System
An evaluation of production and economic efficiency of two beef systems from calving to slaughter, 694

T

Tall Fescue
A model of fescue toxicosis: Responses of rats to intake of endophyte-infected tall fescue, 1423
Effect of endophyte type on carcass traits, meat quality, and fatty acid composition of beef cattle grazing tall fescue, 430
Effect of rotation frequency and weaning date on forage measurements and growth performance by cows and calves grazing endophyte-infected tall fescue pastures overseeded with crabgrass and legumes, 2684
Intake, digestion, and N metabolism in steers fed endophyte-free, ergot alkaloid-producing endophyte-infected, or nonergot alkaloid-producing endophyte-infected fescue hay, 1179
Temperature
A model of fescue toxicosis: Responses of rats to intake of endophyte-infected tall fescue, 1423
Duplication of the pale, soft, and exudative condition starting with normal postmortem pork, 2843
Effects of grouping unfamiliar cohorts, high ambient temperature and stocking density on live performance of growing pigs, 908
Effects of increasing temperatures on physiological changes in pigs at different relative humidities, 1385
Estimates of heat stress relief needs for Holstein dairy cows, 1377
Tenderness
Characterization of biological types of cattle (Cycle VII): Carcass, yield, and longissimus palatability traits, 196
Effects of marbling and shear force on consumers' willingness to pay for beef strip loin steaks, 890
Growth rate, body composition, and meat tenderness in early vs. traditionally weaned beef calves, 2752
Intramuscular tenderness variation within four muscles of the beef chuck, 2835
Phenotypic ranges and relationships among carcass and meat palatability traits for fourteen cattle breeds, and heritabilities and expected progeny differences for Warner-Bratzler shear force in three beef cattle breeds, 2461
Terpenes
Effects of γ-terpinene, terpinolene, α-copaene, and α-terpinene on consumption of alfalfa pellets by sheep, 1967
Testis Development
Testicular development of Zebu bulls after chronic treatment with a gonadotropin-releasing hormone agonist, 2111
Texel
A directed search in the region of GDF8 for quantitative trait loci affecting carcass traits in Texel sheep, 1988
Meat quality traits were unaffected by a quantitative trait locus affecting leg composition traits in Texel sheep, 2729
Theca interna
The role of thecal androgen production in the regulation of estradiol biosynthesis by dominant bovine follicles during the first follicular wave, 597
Thioredoxin Reductase
Effect of the chemical form of supranutritional selenium on selenium load and selenoprotein activities in virgin, pregnant, and lactating rats, 422
Threonine
Increasing dietary pectin level reduces utilization of digestible threonine intake, but not lysine intake, for body protein deposition in growing pigs, 1044
Threshold Model
Genetic parameters of fertility in two lines of rabbits with different reproductive potential, 340
Threshold Models
Genetic analysis of age at first service, return rate, litter size, and weaning-to-first service interval of gilts and sows, 41
Thyroglobulin
Assessment of single nucleotide polymorphisms in genes residing on chromosomes 14 and 29 for association with carcass composition traits in *Bos indicus* cattle, 13
Timing of Supplementation
Influence of sward height, daily timing of concentrate supplementation, and restricted time for grazing on forage utilization by lactating beef cows, 1435
Tocopherol
Influence of supplementation of all-*rac*-α-tocopheryl acetate preweaning and vitamin C postweaning on α-tocopherol and immune responses of piglets, 1274
Supplemental safflower oil affects the fatty acid profile, including conjugated linoleic acid, of lamb, 2175
Toxicity
Activated carbon does not prevent the toxicity of culture material containing fumonisin B_1 when fed to weanling piglets, 1939
Trace Minerals
Effect of microbial phytase addition with or without the trace mineral premix in nursery, growing, and finishing pig diets, 376
Traceability
Use of ear tags and injectable transponders for the identification and traceability of pigs from birth to the end of the slaughter line, 2215

Transferrin
Effects of iron supplementation on binding activity of iron regulatory proteins and the subsequent effect on growth performance and indices of hematological and mineral status of young pigs, 2137
Transgene
Multiple effects of an additional growth hormone gene in adult sheep, 1868
Transgenic
Effect of a short-term fast on intestinal disaccharidase activity and villus morphology of piglets suckling insulin-like growth factor-I transgenic sows, 2404
Nutrient digestibility in sheep fed diets containing Roundup Ready or conventional fodder beet, sugar beet, and beet pulp, 400
Transgenic Plant
Effects of grazing residues or feeding corn from a corn rootworm-protected hybrid (MON 863) compared with reference hybrids on animal performance and carcass characteristics, 2826
Transponder
Use of ear tags and injectable transponders for the identification and traceability of pigs from birth to the end of the slaughter line, 2215
Transport
Negative effects of stress immediately before slaughter on pork quality are aggravated by suboptimal transport and lairage conditions, 440
Transportation
Effects of dietary magnesium and short-duration transportation on stress response, postmortem muscle metabolism, and meat quality of finishing swine, 1633
Induced expression of c-fos in the diencephalon and pituitary gland of goats following transportation, 1845
Transportation Stress
The effect of transportation on the immune status of *Bos indicus* steers, 2632
Trenbolone Acetate
The effect of stage of growth and implant exposure on performance and carcass composition in steers, 108
Triglyceride
Effects of chemical hydrogenation of supplemental fat on relative apparent lipid digestibility in finishing swine, 1890
Tryptophan
Influence of supplemental magnesium, tryptophan, vitamin C, and vitamin E on stress responses of pigs to vibration, 1568
The tryptophan requirement of growing and finishing barrows, 1303
Two-Dimensional Spline
Joint longitudinal modeling of age of dam and age of animal for growth traits in beef cattle, 2736
Type Traits
Relationship between profitability and type traits and derivation of economic values for reproduction and survival traits in Chianina beef cows, 2043

U

Ubiquitin
Nutrient restriction differentially modulates the mammalian target of rapamycin signaling and the ubiquitin-proteasome system in skeletal muscle of cows and their fetuses, 117
Ultrasound
Prediction of retail product and trimmable fat yields from the four primal cuts in beef cattle using ultrasound or carcass data, 1353
Undegradable Protein
Efficacy of using a combination of rendered protein products as an undegradable intake protein supplement for lactating, winter-calving, beef cows fed bromegrass hay, 187
Urea
Splanchnic metabolism of nitrogenous compounds and urinary nitrogen excretion in steers fed alfalfa under conditions of increased absorption of ammonia and L-arginine supply across the portal-drained viscera, 1075
Splanchnic metabolism of nutrients and hormones in steers fed alfalfa under conditions of increased absorption of ammonia and L-arginine supply across the portal-drained viscera, 1088
Uterine Capacity
Divergent selection for uterine capacity in rabbits. I. Genetic parameters and response to selection, 2297
Divergent selection for uterine capacity in rabbits. II. Correlated response in litter size and its components estimated with a cryopreserved control population, 2303
Divergent selection for uterine capacity in rabbits. III. Responses in uterine capacity and its components estimated with a cryopreserved control population, 2308
Utilization
Ruminal ammonia load affects leucine utilization by growing steers, 2448

V

Valeric Acid
Effects of adding valerate, caproate, and heptanoate to ruminal buffers on splanchnic metabolism in steers under washed-rumen conditions, 1899
Valuation
Effects of marbling and shear force on consumers' willingness to pay for beef strip loin steaks, 890
Variability
Estimate of the variability of the lysine requirement of growing pigs using the indicator amino acid oxidation technique, 2535
Vegetable Oil
Effect of dietary fish oil substitution with linseed oil on the performance, tissue fatty acid profile, metabolism, and oxidative stability of Atlantic salmon, 2853
Vertebrae
Two quantitative trait loci on *Sus scrofa* chromosomes 1 and 7 affecting the number of vertebrae, 2247
Virus
Biological responses to porcine respiratory and reproductive syndrome virus in pigs of two genetic populations, 1494
Viscera
Effect of withholding feed from swine before slaughter on carcass and viscera weights and meat quality, 715
Vitality
Bayes factor analysis for the genetic background of physiological and vitality variables of F_2 Iberian × Meishan newborn piglets, 334
Vitamin B_{12}
Differential responses to dietary cobalt in finishing steers fed corn- versus barley-based diets, 2580
Vitamin C
Influence of supplemental magnesium, tryptophan, vitamin C, and vitamin E on stress responses of pigs to vibration, 1568
Influence of supplementation of all-*rac*-α-tocopheryl acetate preweaning and vitamin C postweaning on α-tocopherol and immune responses of piglets, 1274
Vitamin E
Effects of dried full-fat corn germ and vitamin E on growth performance and carcass characteristics of finishing cattle, 2440
Influence of supplemental magnesium, tryptophan, vitamin C, and vitamin E on stress responses of pigs to vibration, 1568
Influence of supplementation of all-*rac*-α-tocopheryl acetate preweaning and vitamin C postweaning on α-tocopherol and immune responses of piglets, 1274
Vitamin E supplementation of newly arrived feedlot calves, 1924
Vocalization
The effect of active immunization against adrenocorticotropic hormone on cortisol, β-endorphin, vocalization, and growth in pigs, 2372
Volatile Fatty Acids
Effect of rapid or gradual grain adaptation on subacute acidosis and feed intake by feedlot cattle, 1116
Fructooligosaccharide supplementation in the yearling horse: Effects on fecal pH, microbial content, and volatile fatty acid concentrations, 1549

W

Water Intake
Water intake and wastage at nipple drinkers by growing-finishing pigs, 1413

Water Wastage
Water intake and wastage at nipple drinkers by growing-finishing pigs, 1413
Weaning
Calving system and weaning age effects on cow and preweaning calf performance in the Northern Great Plains, 2671
Influence of supplementation of all-*rac*-α-tocopheryl acetate preweaning and vitamin C postweaning on α-tocopherol and immune responses of piglets, 1274
The effect of early weaning on feedlot performance and measures of stress in beef calves, 933
The effects of weaning beef calves in two stages on their behavior and growth rate, 2205
Weaning Weight
Estimation of correlation between maternal permanent environmental effects of related dams in beef cattle, 537
Weanling
Comparison of growth performance and zinc absorption, retention, and excretion in weanling pigs fed diets supplemented with zinc-polysaccharide or zinc oxide, 2380
Weanling Pigs
Effects of replacing pharmacological levels of dietary zinc oxide with lower dietary levels of various organic zinc sources for weanling pigs, 2123
Weight
Estimates of genetic correlations between days to calving and reproductive and weight traits in Nelore cattle, 1511
Weighted Bending
Genetic parameters for a maternal breeding goal in beef production, 2319
Welfare
Breeding for societally important traits in pigs, 948
Wet Corn Gluten Feed
Optimal wet corn gluten and protein levels in steam-flaked corn-based finishing diets for steer calves, 2798
Wheat
Time-dependent influence of supranutritional organically bound selenium on selenium accumulation in growing wether lambs, 1186
Wheat Forage
Wheat pasture bloat dynamics, in vitro ruminal gas production, and potential bloat mitigation with condensed tannins, 1322
Wheat Gluten
Response to lysine in a wheat gluten diet in adult minipigs after short- and long-term dietary adaptation as assessed with an indicator amino acid oxidation and balance technique, 833
Whole Body
Effects of dietary zinc and iron supplementation on mineral excretion, body composition, and mineral status of nursery pigs, 2762
Effects of iron supplementation on binding activity of iron regulatory proteins and the subsequent effect on growth performance and indices of hematological and mineral status of young pigs, 2137
Whole Corn Germ
Effects of supplementation of whole corn germ on reproductive performance, calf performance, and leptin concentration in primiparous and mature beef cows, 2663
Whole Soybeans
Evaluation of low-oligosaccharide, low-phytate whole soybeans and soybean meal in canine foods, 393
Withdrawal
Effect of withholding feed from swine before slaughter on carcass and viscera weights and meat quality, 715

Y

Yak
Seasonal changes in weight and body composition of yak grazing on alpine-meadow grassland in the Qinghai-Tibetan Plateau of China, 1908
Yield Grade
The effect of a leptin single nucleotide polymorphism on quality grade, yield grade, and carcass weight of beef cattle, 927

Z

Zebu Breeds
Estimates of genetic correlations between days to calving and reproductive and weight traits in Nelore cattle, 1511
Zebu Cattle
Testicular development of Zebu bulls after chronic treatment with a gonadotropin-releasing hormone agonist, 2111
Zinc
Comparison of growth performance and zinc absorption, retention, and excretion in weanling pigs fed diets supplemented with zinc-polysaccharide or zinc oxide, 2380
Effects of dietary zinc and iron supplementation on mineral excretion, body composition, and mineral status of nursery pigs, 2762
Effects of replacing pharmacological levels of dietary zinc oxide with lower dietary levels of various organic zinc sources for weanling pigs, 2123
Zinc Oxide
Effects of supplemental dietary phytase and pharmacological concentrations of zinc on growth performance and tissue zinc concentrations of weanling pigs, 386
Zoonotic Pathogens
Effect of water sprinkling on incidence of zoonotic pathogens in feedlot cattle, 1959

Author Index for Volume 83, E-Supplement
2004 Meeting Symposia
(online only, accessible via http://jas.fass.org)

A

Anderson, R. C., 44
Andrae, J. G., 69
Andrews, F. M., 18
Appleby, M. C., 9

B

Beck, P. A., 69
Boston, R. C., 22
Brock, A. P., 57
Buchanan, B. R., 18
Burkey, T. E., 48

C

Callaway, T. R., 44
Clariday, N. A., 18

D

Dritz, S. S., 48

E

Edwards, L. H., 18
Elliot, S. B., 18

F

Fales, S. L., 13

G

Genovese, K. J., 44
Geor, R. J., 32
Guthrie, H. D., 79

H

Harvey, R. B., 44
Hess, B. W., 90
Hess, T. M., 22
Hogberg, M. G., 13
Honeyman, M. S., 13
Horn, G. W., 69

J

Johnson, B. J., 48

K

Kirschenmann, F. L., 13
Kronfeld, D. S., 22

L

Lake, S. L., 90
Larson, R. L., 37
Lasley, P., 13

M

McMillin, K. W., 57
Minton, J. E., 48
Miranowski, J. A., 13
Molle, J. D. C., 90
Moss, G. E., 90

N

Nayigihugu, V., 90
Nisbet, D. J., 44

O

Olson, K. C., 107

P

Paisley, S. I., 69
Plastow, G. S., 1
Prall, G. F. W., 1

S

Scholljegerdes, E. J., 90
Skjolaas-Wilson, K. A., 48

T

Treiber, K. H., 22

V

van der Steen, H. A. M., 1

W

Weston, T. R., 90

Subject Index for Volume 83, E-Supplement
2004 Meeting Symposia
(online only, accessible via http://jas.fass.org/)

A

Animal Agriculture
  Interrelationships of animal agriculture, the environment, and rural communities, 13
Animal Welfare
  The relationship between food prices and animal welfare, 9
Anorexia
  Effect of cattle disease on carcass traits, 37

B

Beef Cattle
  Effect of cattle disease on carcass traits, 37
  Range management for efficient reproduction, 107
Beef Cows
  Nutritional controls of beef cow reproduction, 90

C

Carcass Composition
  Effect of cattle disease on carcass traits, 37
Competition
  The relationship between food prices and animal welfare, 9
Competitive Exclusion
  Use of competitive exclusion to control enterotoxigenic strains of *Escherichia coli* in weaned pigs, 44
Consumer Evaluation
  Production practices and processing for value-added goat meat, 57
Consumers
  The relationship between food prices and animal welfare, 9
Cytokines
  Effect of cattle disease on carcass traits, 37

D

Dietary Lipids
  Nutritional controls of beef cow reproduction, 90

E

Economics
  The relationship between food prices and animal welfare, 9
Energy Balance
  Nutritional controls of beef cow reproduction, 90
Enterotoxigenic *Escherichia coli*
  Use of competitive exclusion to control enterotoxigenic strains of *Escherichia coli* in weaned pigs, 44
Environment
  Interrelationships of animal agriculture, the environment, and rural communities, 13
Exertional Rhabdomyolysis
  Role of dietary energy source in the expression of chronic exertional myopathies in horses, 32

F

Field Trials
  Use of competitive exclusion to control enterotoxigenic strains of *Escherichia coli* in weaned pigs, 44
Follicle
  The follicular phase in pigs: Follicle populations, circulating hormones, follicle factors and oocytes, 79
Follicle Stimulating Hormone
  The follicular phase in pigs: Follicle populations, circulating hormones, follicle factors and oocytes, 79
Food Prices
  The relationship between food prices and animal welfare, 9
Fructan
  Insulin resistance in the horse: Definition, detection, and dietetics, 22

G

Gastric Ulcers
  Gastric ulcers in horses, 18
Genomics
  Application of genomics to the pork industry, 1
Glycemic Index
  Insulin resistance in the horse: Definition, detection, and dietetics, 22
Goat
  Production practices and processing for value-added goat meat, 57
Grazing Management
  Range management for efficient reproduction, 107
Growing Cattle
  Designing supplements for stocker cattle grazing wheat pasture, 69
Growth
  Application of genomics to the pork industry, 1

H

Health
  Application of genomics to the pork industry, 1
Hormones
  Nutritional controls of beef cow reproduction, 90
Horse
  Gastric ulcers in horses, 18
  Role of dietary energy source in the expression of chronic exertional myopathies in horses, 32
Hydrolyzable Carbohydrates
  Gastric ulcers in horses, 18
  Role of dietary energy source in the expression of chronic exertional myopathies in horses, 32

I

Insulin Sensitivity
  Insulin resistance in the horse: Definition, detection, and dietetics, 22
Insulin-Like Growth Factor
  Interactive responses in gut immunity, and systemic and local changes in the insulin-like growth factor system in nursery pigs in response to *Salmonella enterica* serovar Typhimurium, 48

L

Laminitis
  Insulin resistance in the horse: Definition, detection, and dietetics, 22

M

Meat Quality
Application of genomics to the pork industry, 1
Monensin
Designing supplements for stocker cattle grazing wheat pasture, 69
Mucosal Immunity
Interactive responses in gut immunity, and systemic and local changes in the insulin-like growth factor system in nursery pigs in response to *Salmonella enterica* serovar Typhimurium, 48
Muscle Growth
Interactive responses in gut immunity, and systemic and local changes in the insulin-like growth factor system in nursery pigs in response to *Salmonella enterica* serovar Typhimurium, 48

N

Nutrition
Nutritional controls of beef cow reproduction, 90

O

Oocyte
The follicular phase in pigs: Follicle populations, circulating hormones, follicle factors and oocytes, 79
Ovulation
The follicular phase in pigs: Follicle populations, circulating hormones, follicle factors and oocytes, 79

P

Palatability
Production practices and processing for value-added goat meat, 57
Physiopathology
Interactive responses in gut immunity, and systemic and local changes in the insulin-like growth factor system in nursery pigs in response to *Salmonella enterica* serovar Typhimurium, 48
Pigs
Application of genomics to the pork industry, 1
Interactive responses in gut immunity, and systemic and local changes in the insulin-like growth factor system in nursery pigs in response to *Salmonella enterica* serovar Typhimurium, 48
The follicular phase in pigs: Follicle populations, circulating hormones, follicle factors and oocytes, 79
Polysaccharide Storage Myopathy
Role of dietary energy source in the expression of chronic exertional myopathies in horses, 32
Processing
Production practices and processing for value-added goat meat, 57
Products
Production practices and processing for value-added goat meat, 57

R

Range Management
Range management for efficient reproduction, 107
Recurrent Exertional Rhabdomyolysis
Role of dietary energy source in the expression of chronic exertional myopathies in horses, 32
Reproduction
Nutritional controls of beef cow reproduction, 90
Range management for efficient reproduction, 107
Respiratory Diseases
Effect of cattle disease on carcass traits, 37
Retail
The relationship between food prices and animal welfare, 9
Rural Communities
Interrelationships of animal agriculture, the environment, and rural communities, 13

S

Salmonella enterica
Interactive responses in gut immunity, and systemic and local changes in the insulin-like growth factor system in nursery pigs in response to *Salmonella enterica* serovar Typhimurium, 48
Starch
Insulin resistance in the horse: Definition, detection, and dietetics, 22
Supplementation
Designing supplements for stocker cattle grazing wheat pasture, 69
Swine
Use of competitive exclusion to control enterotoxigenic strains of *Escherichia coli* in weaned pigs, 44

V

Value-Added
Production practices and processing for value-added goat meat, 57

W

Wheat Pasture
Designing supplements for stocker cattle grazing wheat pasture, 69

Author Index for Volume 83, Supplement 1 (Joint Meeting Abstracts, 2005[1])

A

Aad, P. Y., 406
Aali, M., W174
Aarnink, J. A., 508
Aaron, D. K., 521
Abaye, A., 620
Abazari, M., 90, 344, 345
Abdalla, C., 464
Abdelhadi, L. O., W218, W219, W220
Abdelqader, M. M., 436
Abdoli, H., W213, W214, W226
Abdou, A. M., 148
Abdullah, A., 518
Aberle, R., 330
Abrescia, P., W209
AbuGhazaleh, A., T193, T194, T195
AbuGhazaleh, A. A., 624
Adams, D., 219
Adams, N., 222
Adedokun, S. A., T95, T141
Adegbola, A., T77
Adelantado, C., T70
Adeola, O., 689, T95, T141, W134
Adesogan, A., 514, 664, 665, T83, T224
Adesogan, A. T., T82, T239
Adhikari, K., M50
Afifi, H., W39
Afram, M. N., W250
Agazzi, A., M93
Aguerre, M., M149
Aguiar, M., 128
Aguilar, A., 168, 169
Aharoni, Y., 409, 506
Ahlawat, S. P. S., 589, M36
Ahmadzadeh, A., M125, M131, T168
Ahn, J., T60, T61, T62, T64
Ahola, J. K., 333, W157
Ahvenjärvi, S., 280
Aiken, G., W19
Aiken, G. E., W80
Aikman, P. C., M212
Ajakaiye, A., M240, W146, W147
Ajuwon, K., 175
Akay, V., W192
Akers, R. M., 601, W124, W125
Albanell, E., 340, 594, W118, W198
Albrecht, K. A., T78
Aldrich, J., 443, M191
Aldrich, J. M., 440
Alemán, M. M., M137
Aleman, M. M., M136, W202
Alencar, M. M., 220, W27
Alessi, M. A., T75
Alexander, O., W18
Alexander, T., T100
Alikhani, M., 45
Alkire, D. O., M184
Allan, G., 273
Allard, G., T67, T94
Allee, G., 486
Allee, G. L., 67, 289, 290, 292, 688
Allen, B., 58
Allen, D. T., M136, M137, W202
Allen, M. S., 427, 437, 537, 642, 702, 703, M204, T221
Allen, R. D., 677
Alleoni, G. F., 220
Almeida, L., M219
Almeida, R., 220
Almena, M., M45, W46
Alosilla, Jr., C. E., T184
AL-Smadi, N., 518
Altbuch, J., T90
Altinsaat, C., M114
Alvarez, E., W47
Alvarez, V., W50
Alvarez, V. B., M37, T46, W56
Alves, D. D., M174
Alves, T. C., W187
Alzahal, O., T204, T228, T242
Amaral, B., 514
Amer, P., 652
Ametaj, B., M12, W24, W25
Ampuero, S., T105
Anderson, D., W72
Anderson, M. J., M67
Anderson, N., 630
Anderson, R., 378, 579
Andersson, I., T208
Andersson, T., T208
Andrae, J. G., 258, 259
Andrew, S. M., 118
Andrews, M. C., M59
Andrieu, S., M227, M228
Andrighetto, I., T11, T12
Anema, S. G., 397
Anggraeni, O., W53
Anguita, M., W140
Anil, L., M238, W6, W7, W8, W11
Anil, S. S., M238, W6, W7, W8
Animut, G., T88, W80
Anizon, J.-Y., 377
Annen, E. L., 198, 598, 599, 660
Ansin, O., 253, 254
Antas, A., M173
Antongiovanni, M., 575
Antonini, M., T93
Aparicio, M., M143
Apgar, G., T193, T194
Apple, J., M220
Apple, J. K., M57
Arango, J., 523, 525
Araújo, A. M., M180
Araujo, R. C., M229, T243, T246, W207
Araujo-Febres, O., T69
Arbiza, S., 586
Archbold, T., T139
Archibeque, S. L., 712
Arcuri, P. B., T205
Arechiga, C. F., M245, M248, W160
Arenas, F., W81
Arieli, A., 506
Arjona-Suárez, E., M175
Armentano, L., T182
Armentano, L. E., 87, W241
Armstrong, D., 372, 504, M140
Armstrong, D. V., 373, 503
Armstrong, J., 347
Arriola, K., 514, 665
Arriola, K. G., T82
Arroquy, J., T4
Arruda, A. M. V., T1, W217, W222
Arruda, A. M. V. A., W212
Arshami, J., W215
Arthington, J., 378, T164, T165
Arthington, J. D., T77
Aryana, K., W43, W44
Arzadun, M. J., W70
Aschenbach, J. R., T198
Ashby, A., W15
Aslan, S., M114
Asmare, A., T88, W83, W86
Aso, H., 388, 545
Aspron, M., M130
Ataku, K., 272
Atintas, G., M114
Atkins, J. A., 307
Atkinson, R., M186
Atkinson, R. L., 714
Audy, J., T233
Auldist, M., 93
Aulrich, K., 383
Awad, S., M44, M47, M48, T49, W54
Awawdeh, M. S., 710, W108
Axe, D. E., W247
Ayangbile, G., T79
Azain, M., 487
Azain, M. J., M97, T145
Azevedo, P. A., T203
Aznarez, V. A., 264
Azzaro, G., 252, 315, 417, 435, T14, W180

B

Baah, J., M168, M169
Babinszky, L., T126, W133
Babot, D., T161
Bacciu, N., 28
Bach, A., 541, M182, T70, W171, W204
Bach, R., 357
Bach, S. J., W59
Badan, M., T11, T12
Bader, J., W164
Bader, J. F., 69, 307
Badinga, L., T184, T239
Bae, D. R., 110
Baez, J., T215
Bagaldo, A., W95, W96
Bagg, R., T203, T204
Baidoo, S. K., 286, M238, T135, W6, W7, W8
Baik, M., M35
Baik, M. G., T34
Bailard, J., W50
Baker, D. H., T121
Baker, M., 174
Baker, S., 285
Bakovic, M., 267
Bal, M. A., W251
Baldi, A., 10
Baldwin, C. A., M100, W142
Baldwin, R. L., 381
Baldwin, VI, R. L., 119, W242
Balfagon, A., M111
Ball, R., 287
Ball, R. O., 266
Ballance, D. M., T119
Ballard, C., M65, M150, M151
Ballard, C. S., 667, W233
Balschweid, M., T252
Banchereau, T., 377
Band, M., 648
Bannerman, D. D., 381
Banni, S., 105
Banuelos, R., W160
Barajas, R., M177, M219, W249
Barb, C. R., M129, T145
Barbano, D., 158, 366
Barbano, D. M., 31, 39, 43, 150
Barber, M., 273
Barcellos, J. O. J., M178
Bárcena-Gama, R., W196, W197
Barioni, L. G., M66
Barkema, H. W., 2
Barraza, J. C., M177
Barrera-Compean, M. H., T91
Barrett, K., M190
Barry, J., 605
Bartlett, J., W78
Bartusiak, R., M31
Basarab, J., M30, M31, W28
Basarab, J. A., 612
Basel, C. E., W199
Bashiri, A., 236
Bashtani, M., 342, 343, 626
Basiricò, L., T143
Bastyr, S., 527, 530
Baszczak, J., 636
Bateman, H. G., 214
Bateman, II, H. G., W238, W246
Battacone, G., 338, 382, 595
Baublits, R. T., 396, T116, T117
Baucells, M., M236, M237

[1]Please note: the numbers following authors' names in this index refer to abstract numbers, not page numbers.

Bauer, L. L., M195
Bauer, M., 609, 673
Bauer, M. L., T190
Bauer, M. W., 668
Bauman, D. E., 281, 284, M68, M96, T191, T192, W130
Baumgard, L., 55, 282, 285, 662, M140
Baumgard, L. H., 199
Baylink, D. J., 413
Beagle, J., T120
Beal, W., 531
Bearzi, C., 88
Beattie, C. W., M234
Beattie, J., 273
Beauchemin, K., W24, W25
Beauchemin, K. A., 668, T209, T220, W194, W228
Beaulieu, A. D., 182, 183
Becerril, J., M248
Becerril-Ángeles, J., M246
Bechtel, J., 228
Becker, K., 509
Beckett, J., 168, 169
Becvar, A., T3
Becvar, O., W5
Bedgar, S. E., T190
Bee, G., 391, T105, T108
Beede, D. K., 328, 418
Beever, D. E., 509, M212
Begum, S., W43
Behnke, K. C., T124
Beitz, D., 263, M2, T106
Beitz, D. C., 48, W99
Belanger, G., T67
Bell, J., M12
Bellenot, D., 377
Ben Abdallah, M., 600
Ben Gara, A., 650
Bench, C. J., T15
Benchaar, C., T179, T180, T181, T230, W184, W185, W186, W191
Benjamin, M., W10
Bennett, G. L., 140, M32
Bennett, T., T218
Bennewitz, J., 135
Benson, C., 421
Benson, T., T162
Bequette, B., 212, 213, T226, W242
Bequette, B. J., 401, W126, W143
Berg, E., W10
Berg, P., 249
Berg, P. T., M225
Bergen, R., 268
Bergen, W., T238
Bergen, W. G., T128
Berger, L. L., 245
Berger, P. J., T22, T40, T44
Berger, Y. M., 517
Bergeron, K., W97, W112
Berghman, L., 414
Bergsma, R., 524
Bermudez, D., W81
Bermudez, L. E., 157
Bernabucci, U., T143
Bernard, G. C., W18
Bernard, J., 115, M142
Bernard, J. K., 113, 629, 707
Bernier, J. F., T94, W97, W234, W235
Bernier, J.-F., W22
Berry, D. P., 98, 100
Berry, I. L., M148
Bertelsen, C. R., M249, T121, T174, W13
Berthiaume, R., W230, W231, W232
Bertics, S., T182
Bertoni, G., 238
Bertrand, J., 21
Bertrand, J. A., 116
Bertrand, J. K., 22, 142, 144
Bertrand, K., 143
Berzaghi, P., T11, T12, W76
Bethard, G., M155, W176, W253
Beyer, C. G., T169
Bezerra, L., M34
Biagi, G., M95
Bianospino, E., M73
Bidner, T., 66
Bidwell, C., W91
Bidwell, C. A., 677, W93
Bigeriego, M., 423
Bilby, T. R., T184
Bilodeau, J.-F., W148
Binart, N., 273
Binder, E., 189, 380
Binder, E. M., W138
Binelli, M., M124, M126
Bing, J., W90
Biolley, C., 391, T108
Bionaz, M., 238
Biourge, V., 564, 565
Birjandi, M. R., T42
Bishop, S., 225
Bissonnette, N., 647
Biswas, A. C., 149
Bittman, S., 106
Bjerring, M., 234
Blackburn, H., T30
Blanchard, P., W151
Blanco, H., W206
Blanton, J., T156
Blanton, Jr., J. R., 677, M67
Blash, S., T90
Blasi, D. A., 244
Bleach, E. C. L., M212
Block, E., 325, 326
Block, H. C., 269
Block, J., T184
Blum, J. W., 683
Blummel, M., 387
Boadi, D., 424
Boda, G., 475
Boe, F., 438
Boeneke, C., 230, W44
Boersma, M. G., 491, 686, M112
Boettcher, P., T93
Bohmanova, J., 557, 558
Boin, C., 220
Boisclair, Y. R., 274, T155, W105
Boland, T. M., M227, M228
Boling, J., M77, W161
Boman, I. A., T229
Bomboi, G., 438
Bonelli, P., 516
Bonet, J., M236
Bong, J., M35
Bontempo, V., M93, M106
Booker, J., M81
Boor, K., 40
Borbolla, A. G., M86, M87, M98
Borchers, N., 135
Borda, E., M92
Borg, R. C., 133
Borger, M. L., W175
Borowczyk, E., M70
Borowicz, P., 300
Borowicz, P. P., 336, M70
Bossen, D., T223
Bostley, A., 370
Bouattour, M. A., 340, W198
Bouda, J., M98
Boudon, A., 669
Boudry, G., M1
Bourne, J. L., 269
Boutinaud, M., 273
Bowen, A., 414
Bowers, K., T162
Bowers, S., M133, T154
Bowman, J., T19
Bowman, R., T174
Boyd, J., 115
Boyd, M., T213
Boyd, R., 58
Boyle, P. L., W124, W125
Boyles, S., 477, 638
Bradford, B. J., 427
Bradley, C. L., 61, M3
Brake, D., M226
Bramley, E., 103, 433
Branine, M., T2
Bransby, D., W84
Brassard, H., T67
Braud, T. W., W238, W246
Bray, D., 504
Brazle, A. E., 410
Bredbacka, P., T16
Bregard, A., T67
Brégard, A., T94
Bremer, V., 215
Brendemuhl, J., 294
Brennan, J., 63
Bridges, G. A., 299, T153
Bridges, T., 124
Brighenti, M., 572
Brinkerhoff, J., 109, W179
Brinkmann, J., W12, W13
Brito, A. F., 83
Broadbent, J., 156, M53
Broaddus, B., M61
Broderick, G., T185
Broderick, G. A., 83, 84, 88, W237, W245
Brokaw, J., W82
Brosh, A., 409
Brouk, M., 504, 505, M140
Brouk, M. J., 373, 502, 503
Brown, A. H., T43, T116, T117
Brown, C., W159
Brown, D., 232
Brown, D. C., 61, 64, 551, M3, M105
Brown, E. G., 452, 453, W29
Brown, M. S., 19
Brown, N. E., 120, W90
Brown, Jr., A. H., M148
Brownie, C., 50
Browning, W., 68
Browning, Jr., R., 582
Bruckental, I., M78
Bruckmaier, R. M., 200, W158, W181
Brunner, R., M233
Bruno, R., M153
Bruno, R. G. S., 70, 73, 74, 77, M118, W201, W205
Bruns, K., 218
Bryan, K. A., M117
Buccioni, A., 575
Buckles, R., T195
Bucklin, R., 294, 494
Buckmaster, D. R., T212
Budge, H., 607
Bueno-Aguilar, G., M175
Buhay, T., T122
Buhlmann, P., 367
Buonomo, F., 569, W35
Burg, K. J. L., 112
Burgos, R., 55, 285, M140
Burke, C., 201
Burke, C. R., 99
Burke, J., 522, M220
Burkey, T. E., 676, W94
Burkhart, M., W164
Burns, J., 102, W71
Burns, P. D., W157
Burnside, E. B., 647
Burrin, D., 402
Burrin, D. G., 271
Burtle, G. J., 476
Burton, J., 318, M11
Burton, J. L., 17
Busch, D. C., 306, 307
Bush, A., 123
Bush, L. P., W165
Butler, B., M61
Butler, D., W11
Butler, W. R., 298, T191
Buttles, L., 126
Buys, N., 389
Buzzell, N., T90
Byars, M., 582
Byrne, C., 693

C

Caccamo, M., 105, 150, 252, 315, 417, 435
Cadogan, D., 616
Cadogan, D. J., 191
Cady, R., 204
Caja, G., 340, 357, 498, 594, M17, M224, T160, T161, W116, W118, W198
Calderini, M., 391, T108
Calegare, L., W27
Call, J., 153
Callan, J. J., 693, T134
Callaway, T., 378, 579
Callaway, T. R., W59
Calsamiglia, S., 432, M166, M179, T171, W190, W227
Calvo, M. A., T70
Campbell, C., 268
Campbell, J., 58
Campbell, J. M., T123, T124
Campbell, L. D., T142
Campbell, R. G., T127
Campion, W., M150
Campos, G., W113, W254
Canelón, R., M139
Canibe, N., W140
Cannas, A., 438
Cannon, S. J., M195
Cannon, V., T183
Cant, J. P., 604
Caperna, T. J., 276
Cappa, A., 417, T14
Cappio-Borlino, A., 28, 29
Capuco, A. V., 197, 381, 598, 599, T146, W124
Caraviello, D., 407, 408, M214
Caraviello, D. Z., 79, T157, T158
Carbaugh, D., M9
Cardozo, P. W., M166
Carey, N., 40
Carlson, D. B., 320, 321, M202

Carlson, L., W2
Caron, N., 647
Carothers, R. E., T152
Carpenter, J. R., M82, T80
Carpino, S., 104, 105, 150, 576, M41
Carr, B., M155
Carrión, D., M236, M237
Carriquiry, M., T187
Carroll, J., 378, 486
Carstens, G. E., 452, 453, W29
Carter, M. P., W233
Carter, S., T122
Cartmill, J., 71, 72
Cartwright, G., 41
Carunchia Whetstine, M., 158
Casadei, G., M95
Casals, R., 340, 594, W116, W118, W198
Casanova, A., W81
Casellas, J., 357, M17, M224
Casimiro, T. R., W187
Cassell, B., 94, 555, M24
Cassell, B. G., 114, M64
Cassidy, T. W., 120, M210, M211
Cassoli, L. D., W65, W66
Castaneda, E., 296
Castaneda-Gutierrez, E., T191
Castiglioni, B., T93
Castillejos, L., W190, W227
Castillo, A. R., W252
Castillo, M., 60, M39, M103, T47, T51, W139
Castillo, V., W118
Castillo-Juárez, H., W113, W254
Castro, C. B., T129, T130
Castro, P. A., M177
Castro-Gámez, H., W113, W254
Caton, B., 300
Caton, J. S., 301, 336, M70
Cavassini, P., M210, M211
Cavone, C., T110
Cecava, M., M102, T132
Cerchiari, E., M251
Cerisuelo, A., M236, M237
Cerrato, M., 432
Cerri, R. L. A., 70, 73, 74, 77, M118, M153, W201, W205
Cerrillo-Soto, A., 590, W87, W89
Cerrillo-Soto, M. A., 587
Cervantes, B. J., M177
Chae, B. J., 180
Chagunda, M. G. G., 234, 239
Chahine, M., W169, W170, W182
Chamberlain, J., T176
Chamorro, D. R., W206
Chan, P. S., 240
Chan, Y., 572
Chang, L.-C., 17
Chang, Y., 360, T13
Chang, Y. M., W162
Chapa, A., T213
Chapin, L., 47, 675
Chapman, J., T177
Chase, C., T164, T165
Chase, L., 534
Chase, Jr., C. C., 461
Chastanet, F., 297
Chattin, S., W57
Chaves, A. V., 669
Chebel, R. C., 70, 73, 74, M153
Chen, C., 370
Chen, C. L., W109
Chen, W. L., 38, T54
Chen, Y. J., M88, M91, M104, M107, T131, W152
Cheng, K., W174
Cherney, D. J. R., T75, W74
Cherney, J. H., T75, W74
Chesnais, J. P., 647
Chester-Jones, H., M193, T155, T173, T175
Chetrit, C., M92
Chevaux, E., M106
Chew, B., 657
Chiba, L. I., 404, T128
Chikagwa, S., 514
Chikagwa-Malunga, S., T82, T83
Chiquette, J., W191
Cho, J. H., M88, M91, M104, M107, T131, W152
Cho, K., M35
Cho, W. T., 180, T131
Choi, C. B., T111
Choi, J., M54
Chouinard, P. Y., 678, T179, T180, T181, W112, W184, W185, W186
Choy, Y. H., T34
Christensen, C. R., W223
Christensen, D. A., 272, W223
Christenson, R., 361
Christians, M. J., W241
Christopherson, B., M251
Christopherson, R., M12
Chun, C., W104
Chung, H. C., M235
Chung, Y.-H., 120, M210, M211
Church, J. S., 544
Claeys, E., 389
Clapham, W., 257, 260, 261, 620, W75
Clapham, W. M., M164
Clapper, J. A., W99
Clare, D., 42
Clark, J., 513
Clark, J. H., 83, M184
Clark, P. M., T124
Clark, R. M., 118
Clarke, E. J., M96
Clay, J., 470
Clay, J. S., 469, 560, 561, W172
Clegg, R. A., 399
Clevenger, D., T183
Clift, R., W57
Clobes, C., 471
Clutter, A., 135
Clyburn, B., 513
Cobuci, J. A., 649
Cockett, N., 225, W91
Cockett, N. E., W93
Cohen-Zinder, M., 648
Coldebella, A., W65
Cole, J., 136, 651
Cole, N. A., 611
Coleman, S., 385, T164, T165
Coleman, S. W., 461
Collier, R., 14, 285, 600, 662, M140
Collier, R. J., 198, 199, 507, 598, 599, 660
Collins, C. L., T127
Collins, J. R., T92
Collins, M., 360, T13
Colyn, J., 633, W28
Coma, J., M237
Connor, E. E., 197, T146
Connor, L., 347
Constable, P. D., 325, 326
Contreras, C., M138
Contreras, G., T129, T130, W62, W63
Conzemius, M., 569
Cook, D., 490
Cook, N., T218
Cook, N. J., 544
Cooke, K. M., 629, 707
Cooke, R., T164, T165
Cooper, D., 71, 72
Cooper, J. B., 363
Cooper, S., T230
Coors, J., 704, T210, T232
Coplyn, J., T15
Corato, A., T188, W121
Corino, C., T107
Corley, III, R. N., W90
Cornwell, J., 94
Corona, L., M159, M160
Coronel, P., 42
Correa, M., M14, M15
Correa-Aguayo, M. G., M247
Corrigan, M., 426, 553
Corrigan, M. C., W58
Corrigan, M. E., 454, 457
Corriher, V. A., 258
Corro, M. D., M56
Costa, C., T41
Costa, C. N., 649
Costa, F. M. J., T207
Costa, N. D., 103, 433
Costanza, L., T107
Costello, S. S., 472
Cotanch, K., M150
Cotanch, K. W., 667, T233, W233
Cotterill, D., 229
Courtney, P. D., W53, W55
Coussens, P., 14, 16, 600
Coussens, P. M., 17
Coutinho, L., W95
Couture, Y., 678, W112
Cowles, K., 121
Coxe, C., M147
Craig, B., 450
Craig, T. M., W29
Cramer, G., 233
Cranston, J., 20
Cranston, J. J., 619
Crawford, H. M., 593, 661
Cremonesi, P., T93
Crenshaw, J., 58
Crenshaw, J. D., T123, T124
Crews, D., M31, M30
Crichton, E., T28
Critser, J. K., W20
Cromie, A., 652
Cromwell, G. L., 286, M111, T125
Crooker, B. A., 199, T155, T187
Crooks, P. A., T58
Croquet, C., 27
Crosby, T. F., M227, M228
Crow, G. H., T203
Crowe, H., 394
Cruickshank, J., T22
Crump, P. M., W166
Crump, R. E., 129
Cruz, G. M., 220, W27
Cruz, J., M98
Cueno, R., T122
Culbertson, M., 523, 525, M27
Cullen, S., M89
Cullens, F. M., T184
Cummins, K., 210, M146, T238, W2
Cundiff, L. V., 140, M32
Cunha, A. P., 79, T157, T158, T159, W166
Cunningham, N., M10
Curdeddu, L., 105
Curley, Jr., K., 495
Curtis, S., W11
Cutler, S., 184
Cvetkovic, B., 505
Cyriac, J., 436

D

Da, Y., T155
da Costa Eifert, E., T205
Dahl, G. E., 312, 554, 593, 661, W117
Dahlen, C. R., 617, T187
Dalibard, P., W135
Dalton, J., W169, W170
Dalton, J. C., M125, M131, T167, W182
Damgaard, L. H., 25
Danesh Mesgaran, M., 344, 416, 663, 719, T244, W216
D'Angelo, A., 320
Daniel, J., M226
Daniel, J. A., W99
Daniels, K. M., 601, W124, W125
Dann, H. M., 195, 667, T233, W233
Darrah, J., M150
Darrah, J. W., T233
Darwish, M. R., W250
Datta, N., 153
Dauch, D. M., 299
Dauderman, J. L., 593
Dave, R., M47, M48
Davenport, G., W37, W38
David, Y., 708
Davidson, C., 672
Davidson, D., 466, 467, T162
Davies, G., 225
Davis, B. L., W94
Davis, D. L., 410
Davis, E., 232
Davis, J., 175
Davis, K. C., M18
Davis, L., 47, 675
Davis, M., 679, M28, M29
Davis, M. E., 61, 64, 551, M3, M105
Davis, S. R., 56
Davis, T., 186, 390
Davis, T. A., 678, W97, W112
Davtalabzarghi, A., T240
Dawson, L. J., T87, T88, W80, W85
Day, M. L., 299, T153
Dayton, W., M69, W98, W100
de Almeida, J., W179
Dean, D., 514, T83
Dean, D. B., T82

Dean, D. T., 452, 453
Dechow, C., M154
Dechow, C. D., M22
DeDecker, J. M., M80, M249, T174
Deen, J., M238, W6, W7, W8
Deffenbaugh, L., 567, W36
Defoor, P., 611
De Jesus Arias, C., 673
Degagné, E., W23
Dekkers, J. C. M., 13
De la Colina, F., M246
De la Cruz, C., W16
Delagarde, R., 669
Delahoy, J., M154
Delamaire, E., 708, T199
de Lange, C. F. M., 181, 295, M101, T137
de Lange, K., W141
De la Puente-Ocampo, F., M245
de la Torre, J., M179
Delgado, E., W95, W96
Dell'Orto, V., M106
Delmore, R., 169
de los Campos, G., 26
de los Reyes, A., M34
Denbow, D. M., 185
Denson, A., M132, M133, T154, T169
Dentine, M., T22
de Passille, A. M., T15
de Paula Lana, R., T205
Depenbusch, B., 426, 553
Depenbusch, B. E., 454, 457, W58
DePeters, E., T59, W122, W129
DePeters, E. J., 625
Depetris, G. J., M185, T114
De Roos, A. P. W., 252
De Smet, S., 389
Detmann, E., M180
De Tullio, L., T110
Detweiler, G., T86, T88, W80, W83, W85
Devant, M., 541, M182, W204
de Veth, M. J., 319, T191
Devillers, N., W9
DeVries, A., M60, M61, M152
de Vries, F., 356
DeVries, T. J., 697, 698
Deweese, W. P., 521
Dewey, C., W11
Dewhurst, R. J., 621, 622
Dhiman, T. R., T196, W79
Dhuyvetter, D. V., 512
Dias-da-Silva, A., M201
Diaz, I., M182
Diaz-Llano, G., M241, M242
Diaz-Mora, C., W160
Dick, P., T203, T204
DiCostanzo, A., 617, M172
Diez-Gonzalez, F., M172
Di Giancamillo, A., M106
Dikeman, C., 562, 563
Dilger, R. N., 689
DiLorenzo, N., 617, M172
Dimauro, C., 28, 516
Ding, S. T., W109
Dinn, N., W174
Diskin, M. G., M122, T113
Distel, R., T4
Distl, O., 356
Dixon, P., T35
Dixon, W., 605, T100
do Amaral, B. C., T184
Dobbs, J., T112
Dodd, A., 464
Dodson, R., 305
Dodson, R. E., 304, 519
Doepel, L., 82, 108, T186, W234, W235
Doering-Resch, H., 218
Dohme, F., 666
Dokkebakken, B., 468, 471
Dombrowski, L., W110
Domeneghini, C., M106
Dong, B., T147
Donkin, S., 212
Donkin, S. S., 48
Donnellan, P., 652
Donnelly, B., 582
Donohue, W., M150
Donovan, S., 602, 603, T52, W122, W129
Donovan, S. D., W102
Donovan, S. M., W101
Dornellas, J. R., W49
Dorton, K., M189
Dos Santos, A., M132, M133, T154
dos Santos, J. F., T207
Dove, C. R., M97
Dove, R., 487
Downing, T., 465
Doyle, M. P., 577
Drackley, J., 648
Drackley, J. K., 195, 196, 320, 321, 444, 445, M195, M202
Drake, M., 156, 158
Drake, M. A., 41, M49
Drapeau, R., T67
Driedger, L. J., 670
Driessen, B., W11
Dritz, S. S., W94
Drogemuller, C., 356
Drouillard, J., 168, 169, 426, 553
Drouillard, J. S., 454, 455, 456, 457, W58
Druet, T., M23
Du, F., 135
Du, M., 392, 606, 684
Dubert-Ferrandon, A., 33
Dubeux, Jr., J. C. B., T77
DuBois, P., W10
Dubreuil, P., 678, W112, W234, W235
Duckett, S., 255, 256, 261, 394, M221, W77
Duckett, S. K., 257, 260, W75
Dufey, P.-A., T105
Duff, G., 168, 169
Duff, G. C., 611
Duffield, T., 242, 511, 634, M13, M71, T242
Duffield, T. F., 76, T203, T204, T228
Duffy, C., 509
Dugan, M. E. R., W32
Dukas, P., 470
Dukas, P. A., 469
Dumas, T. L., 588
Dumon, H., 564, 565
Dunshea, F. R., 191, T127
DuPonte, M., T112
Dupuis, M., 546, W23
Durand, S., W22
Duval, S., 510
Dvorak, R., 61, M3
Dwyer, D. A., M68, T191
Dwyer, M. E., 198, 199
Dzakuma, J. M., T91

E

Ealy, A. D., M117
Earing, K., M173
Eash, J. K., 674
Eastridge, M., T225, T234, T235
Eastridge, M. L., 628
Echeverria, W., M138
Edrington, T., 378, 579
Eega, K. R., T85
Eguchi, Y., T5, T6
Eichen, P. A., W20, W21
Eicker, S., 471
Eirin, M., 253, 254
Eisemann, J., W244
Ejeta, G., T141
Ekstrand, J., M234
Elam, J., 168, 169
Elam, N., M176
Elam, N. A., W247
El-Bahrawy, K., M113
Ele, J., 487
Elia, R., 237
Elizalde, J., W210
Elizalde, J. C., W188
El-Kadi, S., W242
El-Kadi, S. W., W126, W143
Ellersieck, M., M223, T250
Ellersieck, M. R., 69
Elliott, S. A., M208
Ellis, E., T238
Ellis, M., 296, M80, M249, T121, T174, W10, W11, W12, W13
Ellis, S. E., 112
Ellis, W., 479
Elsasser, T., M9
Elsasser, T. H., 276, M7
Elwell, M. W., 43
Ely, D. G., 521
Ely, L., M61
Elzo, M., M34, T35
Emanuele, S., 536
Emmanuel, D., M12, W25
Emmanuel, V., W24
Endres, M. I., 419
Eng, S., 225, W91
Eng, S. L., W93
Engelbrecht Pedersen, R., 241
Engle, T., M187, M189
Engle, T. E., 264, 333, 425, W157
Engles, T., 636
Engstrom, M. E., W203
Enns, R., 654, M189
Entz, T., 106
Erdman, R. A., 196, T178
Erickson, G., 215, 217, 314, 379, 422, M157, M158, W60
Erickson, P., 121
Ermias, E., 393
Escobar, F. J., W160
Escobar, J., 186, 390
Escobar-Medina, F. J., M245, M246, M247, M248
Esonu, B. O., 696
Espejo, L. A., 419
Estell, R., W72
Estheimer, M. D., 198, 199
Estienne, M., 57, 531
Estrada, A., T247, T249
Estrada-Angulo, A., M216, M218
Etchebarne, M., 329
Etienne, N., W37
Eun, J.-S., 668, W194, W228
Evans, J., M56
Evans, T. J., W20
Evenson, K., T156
Everett, D., 34
Everts, R. E., 195, 196
Everts-van der Wind, A., 648
Evoniuk, J. M., M225
Exbrayat, P., 447
Eyer, K., M234

F

Fabian, J., T128
Fachin, L., W40, W41
Faciola, A., T185
Fadel, J. G., 214
Fahey, G., 492
Fahey, G. C., M195
Fahey, Jr., G., 562, 563, 566
Fain, J., M60
Fain, J. L., 113
Fairbrother, J. M., 546
Fairfield, A., T203
Fakler, T., 66
Fakler, T. M., 65
Falcão, A., T41
Fallico, V., M41
Fan, M., 270
Fan, M. Z., 267, 271, 404, M94, M240, T98, T99, T139, T140, W146, W147
Fancellu, S., 338, 595
Fang, C. Y., M235
Fang, R. J., T140
Faria, A., M138, M139
Farias, F., 216
Farmer, C., M230, W9
Farnworth, E., 546
Farran, M. T., W250
Faucette, A., W78
Faulkner, D. B., 245
Faust, M. A., 354
Fazaeli, H., 719
Fehr, W., 530
Feizi, R., T244, T248, W216
Fekadu, B., T84
Felix, A., M218
Fellner, V., 102, M83
Felton, E., M188
Fent, R., 486
Fent, R. W., 291, 688
Ferguson, J. D., 252, 315, 417, 435, T14, W180
Ferket, P., 715
Fernandes, S., M73, T197
Fernandes, V. M., T146
Fernandez, J. M., 588
Fernandez-Rivera, S., 591
Ferrandini, E., T51
Ferrara, L., W209
Ferrari, A., 238
Ferreira, G., 49
Ferrell, C. L., 712, M32
Ferret, A., 432, M17, M166, M179, M224, T171, W190, W227
Ferrini, G., M103
Ferris, T., 12
Fetrow, J., 205, 309
Feuermann, Y., 597, 52

Fidanci, U. R., M217
Field, C., M12
Fievez, V., 621, 622
Fike, J., 632
Filer, K., W137
Findik, M., M114
Fink, E., 521
Firkins, J. L., 211, 628
Fitzpatrick, R., 193
Flannery, P., 704
Fleming, J. N., 677, W93
Flint, A. P. F., M116
Flint, D., 273
Florent, M., 407
Flores, C., T160
Flores, L. R., W249
Flores, R., 253
Florez-Diaz, H., M6
Floris, B., 438
Fluharty, F. L., 618
Foerster, M., 653
Folador, J., 566
Foley, A. E., W199
Foley, M., M227, M228
Fonseca, C., 151, 154
Fonseca, D. M., M165
Fonseca, L., 151, 154
Fonseca, M. A., M180
Font, M., M182
Fontaine, J., 488
Fonteh, F., 36
Fontenot, C., 68
Fontenot, J., 221, 257, 260, 261, 620, W75
Fontenot, J. P., M164
Foote, M., M2
Forat, M., 380
Forbes, T. D. A., 452
Ford, S., 300, 606, W155, W156
Ford, S. P., 684
Forsberg, C. W., M240, W146, W147
Forsberg, N., 318, 549, T177
Fortier, M.-E., W148
Foster, J., 665
Fowler, M., M2
Fowler, M. A., M194
Fox, D., 174, 699
Fox, D. G., 700, T231
Fox, J., 553
Fox, J. T., 453
Foxcroft, G., 605
France, J., M205
Francino, O., 357
Franco, R. A., W17, W18
Frank, J., 186, 390
Franke, D., 136
Franklin, S., 94
Franklin, S. T., 114, 670, M64
Fraser, J. N., W94
Fredeen, A. H., T230
Fredrickson, E., W72
Freeman, A. E., T44
Freeman, S., 715
Freeman, S. J., W189
Freetly, H. C., 712
Frehner, M., 509
Freitas, A. F., 649
Freitas, M., 557
French, P., 465, T176
Freyer, G., T26
Fricke, P. M., 75, T149, W162
Friendship, R. M., 532
Friggens, N. C., 239
Fritz, C., 585
Fritz, E., 530
Frobish, L. T., T128
Froetschel, M. A., 258
Frost, D., T10
Fu, A., T31
Fu, C. J., W61
Fu, S. X., 291
Fuentetaja, A., T109
Fukushima, M., T101
Fulawka, D., T222
Fulkerson, W. J., 103, 433
Furedi, C., 265, T217
Furlan, A. C., M232

G

Gaafar, K., T198
Gäbel, G., T198
Gabler, N., 175
Gadbois, P., 76
Gagnon, N., 546, W23
Gaines, A., 486
Gaines, A. M., 67, 289, 290, 292
Galicia-Juárez, G. B., W136
Galletti, S., W209
Galo, E., 625
Galvao, K. N., 70
Galyean, M. L., 611
Gama, M., T197
Gama, M. A. S., 627
Gambacorta, E., T110
Gambina, M., W180
Gamble, W., 568
Gamroth, M., 465, M145
Gantt, D. T., M76, W238, W246
Garcia, A. D., 447
Garcia, H., M181
Garcia, J. A., M182
Garcia-Carrillo, M., W64
García-Galicia, I. A., W136
García-López, J. C., W136
Gardea, A. A., M49
Gardner, D., 607
Garimella Purna, S. K., 155, 160, 574
Garín, D., T160
Garland, P., M96
Garnsworthy, P. C., 627
Garrett, J., M191, W248
Garrick, D., 24, 460, 654
Garrick, D. J., M16
Garry, F., 237, 311
Garverick, A., W164
Gary, G. L., 291
Gasa, J., M236, M237, W139
Gasser, C., 638
Gasser, C. L., 299, T153
Gast, L., M135
Gates, K. W., M137
Gaughan, J., 616
Gavin, W., T90
Gaylord, T. G., M72
Gbur, Jr., E. E., M148
Geary, T. W., 307
Gehman, A. M., 116
Gengler, N., 27, M23
Genho, K., W179
Genho, P. C., 453
Gennuso, G., 435
Genouel, C., 377
Genovese, K., 378, 579
Genswein, B. M. A., T2
Gentry, P. C., 198, 199, 507, 598, 599
George, J., 53
Georges, E., 549
Geraert, P.-A., W135
Geraets, L. L., 686
Gerage, L. V., T243
Gerrard, D., 278
Gerrard, D. E., 674
Gerrits, J. J., 508
Gerstner, D., 89
Getz, W. R., T85
Getzewich, K., 94
Ghafurian, M., W215
Ghasemi, S., 515, 631
Ghiasi, H., M19
Ghirardi, J. J., 498, T160
Ghodratnama, A., T244, W216
Ghorbani, G., 45
Ghorbani, G. R., W211
Gianesella, M., T11, T12
Gianola, D., 26, 250, 251, 408
Gibb, D. J., M169
Gibson, M., 215, 490
Gibson, M. L., M112
Giesy, R., M61
Giesy, S. L., M68
Gigante, M. L., 570, 571, 573, M40, M42, M43, T48
Giguère, A., W148
Gilbert, E., 185
Gill, C., 358
Gill, R. K., M172
Gillespie, J. M., 588
Gingras, A. A., W110, W112
Giorda, L., W188, W210
Gipson, T. A., T86, T87, T88, W83
Girard, C., 428
Girard, C. L., 8, 11
Girard, I. D., M210, M211
Giritharan, G., W174
Gleghorn, J., 611
Glenney, P., W137
Glennon, H. M., 50
Glindemann, T., 623
Glueck-Chaloupka, A. A., 32
Gnad, D. P., 710, W108
Gnanalingham, M., 607
Godden, S., 309
Godfrey, R., 305
Godfrey, R. W., 304, 519
Godfrey, T., 682
Godke, R. A., 588
Goes, R. H. T. B., M165, M174
Goeser, J., T232
Goetsch, A., W82
Goetsch, A. L., T88, T89, W80, W83 W85, W86
Goff, J., 481
Goff, J. P., 480
Gokavi, S., W42
Golden, J. W., 613, M163
Golian, A., T142
Golovan, S. P., M240, W146, W147
Gomez, A., M138, T249
Gonçalves, J. R., M124, M126
Gonda, M., 360, T13
González, E., W198
González, L., M179, T171
Gonzalez, N., M50
Gonzalez, R., W52
González, S., M175, W196, W197
Gonzalez-Padilla, E., M130
Goodson, J., 488
Goodwin, R., T106
Gooijer, L., 682
Goonewardene, L., M30
Gorocica-Buenfil, M. A., 618
Gorostiola-Herrera, M. L., W136
Gottfredson, R., 520
Gottfredson, R. G., 517
Goulet, J., 546
Govindasamy-Lucey, S., 369, 572, M51
Govoni, K., W103
Govoni, K. E., 413
Gozho, G. N., 434
Grabber, J., 672
Graboski, R., 596
Graham, R., 510
Grainger, C., 93
Grandin, T., 636, 654
Grandison, A., 33, 36, M38, T50
Grant, A., 278
Grant, A. L., 674
Grant, R., 375, M151
Grant, R. J., 667, T233, W233
Grapes, L., 184, T36, W144, W145
Graulet, B., 85
Graves, K., M132, M133, T154
Graves, N., M60
Graves, W., M60
Graves, W. M., 113, W163
Grazul-Bilska, A. T., M70
Green, A., W10
Green, H., 511
Green, J. T., 262
Green, J. W., W157
Green, M. P., 308
Greene, W. A., W175
Greenquist, M., 215
Greenwood, M., M151
Greer, K., W121
Greger, J., 482
Gregorini, P., 253, 254
Greiner, S., M221
Gressley, T. F., 87, W117
Griffin, D. J., M59
Griinari, J. M., 284, 627
Grilli, E., M95
Grimberg, J., W121
Grimley, H., T50
Grings, E., 387, T71
Grohs, D., 569
Gross, M. R., M58
Grubbs, J., W2
Gruber, S., 636
Gruber, S. L., 425
Grum, D. E., T153, 299
Grummer, R. R., T189, W117
Guan, L. L., T24
Guan-FU, Y., 134
Guard, C., 233
Guay, J., 620
Guenther, J. N., 79, T157, T158, T159, W166
Guerrero Prieto, V. M., M49
Guex, G., 391, T108
Guigère, A., W22
Guillory, R., 68
Guinan, M., M227, M228
Guinard-Flament, J., 708, T199
Guitton, V., 377
Gulay, M. S., M114, M217, W119, W120

Gulisija, D., 250, 251
Gümen, A., 79, T157, T158, T159, W166
Gumpertz, M., 102
Gunness, J., T52
Gunsaulis, J. L., M58
Guo, J., 317, M197
Guo, M., W42
Guo, M. R., W48
Guo, Y.-Q., W88, W183
Gupta, N., M36, T29
Gupta, S. C., 589, M36, T29
Gurjar, A., T17, T18
Gusman, V. S., M82
Gutierrez, G. A., T44
Guyonvarch, A., 377
Gwazdauskas, F., T27
Gwazdauskas, F. C., T3, W1, W4, W5

H

Hachmeister, K. A., 455
Hacker, R., M144
Hacker, R. R., M240, T98, T99, W146, W147
Haden, J. K., 69
Hadfield, T., 225
Hadfield, T. S., W93
Hadsell, D., 53
Hadsell, D. L., 598, 599
Hafs, H., T251
Hagos, S. A., W79
Haguihara, K., 649
Hains, B., T252
Halachmi, I., 506
Halaweish, F., W54
Halbrook, E. A., 61, 64, M3, M105
Haley, D. B., 542, T15
Hall, M. B., 211, 535, 641
Hall, R., 288, M173
Hall, S., 222
Hallab, R., M38
Hallford, D., M186
Hamadeh, S. K., W250
Hamaker, B. R., T141
Hamana, K., M120
Hamann, H., 356
Hamano, A., T148
Hamasaki, Y., T103
Hamilton, C. H., 670
Hamilton, S., 584
Hammon, H. M., 683
Hampe, J., 653
Han, E. M., T60, T61, T62, T63
Han, O. S., T34
Han, Y., 63
Hancock, D., 163, 164, 165, 170, 171, 172
Hand, B. C., 259
Hanigan, M. D., 214
Hannon, K., 278
Hannon, K. M., 674
Hansen, A., 148
Hansen, C., T144
Hansen, L. B., 95, 96, 97, T155
Hansen, P., M60
Hansen, S. L., 335
Hapeman, C. J., 381
Hare, E., 203, T38
Hare, W., 381
Hargrave, K. M., W92
Harmon, D., 18, M176
Harmon, D. L., W195, W247
Harner, J., 504, 505
Harner, J. P., 373, 502, 503
Harper, A., 57, 531
Harper, A. F., 185
Harper, F., M84
Harper, W., W50
Harper, W. J., 156, T46, W53, W55, W56
Harrell, R., W159
Harris, L., T3, W1
Harris, T., M4
Harrison, G. A., M208
Harrison, J., 465, 466, 467, T162
Harrison, J. A., 334
Hart, H. A., T145
Hart, S., W82, T86
Hartke, J. L., W102
Hashim, I., W39
Haslett, J. M., 113
Hassan, A., M44, M47, M48, W54
Hassen, A., T32
Hatch, B., T188
Hatfield, P. G., M18
Hathaway, M., M69, W98, W100
Hatipoglu, F. S., M114, M217
Hatler, T., M119
Hatton, J., T81
Hausman, G., 275
Hausman, G. J., M129, T145
Hawkins, A. M., T97
Hayashi, S., 388
Hayen, M. J., W119, W120
Hayes, J. F., 247
Hayes, S., M193
Hayler, R., 319
He, J. H., T140
Head, H. H., W119, W120
Healey, M. H., T40, T44
Heeg, J., T177
Heegaard, P., 16
Heetkamp, M. J., 508
Hegde, N., T17, T18
Heimbeck, W., T72, T73
Hein, K., M50
Heinrichs, A. J., 442, 448, 472, 473, M196, T212
Heins, B. J., 95, 96, 97
Heintz, J. M., M76
Heleski, C., 639
Helm, J. H., 188
Helser, L. A., T153
Hemsworth, P., 637, 638
Henderson, D., W121
Henderson, D. A., 198, 199
Hendrixson, W., 582
Henman, D. J., 191, T127
Hennig, S., T23
Hennig, U., M233
Henning, D. R., T215
Henning, W., 174
Henriksson, A., 364
Heravi Moussavi, A., 416
Herbein, J., 620
Herdt, T., 330
Heringstad, B., 26
Hernández, J., M138, M139
Hernandez, J., W34
Hernandez, M., 162
Hernandez-Berumen, J. J., M247, M248
Hernández-Jover, M., T161
Hernandez-Sanchez, H., W47
Hernandez-Serrano, M. C., W64
Herndon, C., T213
Hernot, D., 564, 565
Herrera-Haro, J., W196, W197
Herring, A. D., 452, 453
Herring, W., 523, 525
Herring, W. O., M27
Herzog, W., 391, T108
Hess, B., 300, 606, M186, M187, W155, W156
Hess, B. W., 684
Heymann, H., M50
Hicking, L. M., 308
Hicks, C. L., T58
Hidaka, S., T103
Hiemke, C., 520
Higginbotham, G., M62, W26
Higgins, J., 553
Higgins, J. J., 173
High, J. A., 469
Highmoor, T., 420
Hill, A., 162
Hill, B., 190
Hill, C., M151
Hill, C. T., 667
Hill, G., 190, 394
Hill, G. M., 258, 259, 286, W163
Hill, J., W11
Hill, K., W31
Hill, M., 440
Hill, M. K., 443
Hill, S. R., W1, W4, W253
Hill, T., M191
Hilty, B., M154
Hilty, B. J., 472
Hindhede, J., 241
Hines, H., M29
Hinkley, S., 314, 379, W60
Hinrichs, J., 398
Hinson, R., 190, 528, T120
Hippen, A. R., 46, 436, 705, T214
Hirai, S., M127, M134
Hiraiwa, H., M234
Hirayama, Y., T33, T101
Hisashi, A., 550
Hittmeier, L., T36, W144
Hoagland, T., W103
Hocde, V., 377
Hockett, M. E., 262
Hoe, F., W168
Hoehler, D., 488
Hoffman, E., 509
Hoffman, P., 263
Hofstetter, U., W138
Hogan, S., 529
Holden, L., 352, M154
Holden, L. A., 472
Hollmann, M., W4
Holmes, B., M63
Holmes, F., T169
Holmes, W. E., 32
Holt, C., 399
Holt, S. M., T172
Holtrop, G., W232
Holtz, C., 538
Holzgraefe, D., M102, T132
Hong, S.-H., 668
Honma, T., T102
Hoover, W., 513, W248
Hoover, W. H., 86
Hopkins, B. A., 50
Hori, T., T102
Horie, K., 148
Horie, N., 148
Horn, G., 610
Horne, C. A. M., W130
Horne, D. S., 161, M54
Hornsby, J. A., W33
Horohov, D., 224
Horsman, M. J., 533
Horst, R. L., 235
Hoshikawa, Y., 148
Hossner, K., M187
Hotzel, M., 441
Hou, Z. P., M101
House, B., 231
House, J. D., 7, T96, T119
Hovingh, E. P., 472
Howard, A., M45, W46
Howard, J. M., M125
Howes, D., 625, T188
Hoying, J., 600, W121
Hoyt, P. G., W238, W246
Hristov, A., 465, T185
Hristov, A. N., 211, 711, W199
Hu, W., 325, 326
Hu, W.-L., T65, T66, W88, W183
Huang, C., 560, 561
Huang, C. H., T140
Huang, M. T., T54
Huang, W., M29
Huerta, A., T252
Huerta, M., 586
Huffman, R., 581
Huhtanen, P., 80, 280
Huisden, M., T82, 514, 665
Hulbert, L., 451, W14
Humes, P. E., 588
Humphreys, V. T., T80
Humphrys, S., 323
Hunt, C. W., T167, T168, W199
Hunt, D., 106
Hunt, T., M149
Hunter, M. G., 308
Huntington, G., 18, 715, W71, W244
Hurley, W. L., W128
Hurt, A. M., T3, W1, W4, W5
Hutcheson, J. P., 458, W30, W31
Hutchison, C. F., W238, W246
Hutchison, J., M21, T39
Hutchison, J. L., T38
Hutchison, R., 655
Hutjens, M., 330
Huynh, T. T., 508
Huzzey, J. M., 697
Hyde, J., M154
Hyler, K. S., 120

I

Ibarra, E., T249
Ibrahim, S., 147
Iglesias, C., T70, W204
Immig, I., W193
Imwalle, D. B., T7
Inglis, G. D., T170
Ingvartsen, K. L., 234
Interrante, S. M., T77
Inyang, O. A., 696
Ionescu, C., 377
Ipharraguerre, I. R., 83
Irving, B., T144
Ishiwata, T., T5, T6

Ishler, V., 352, 464
Ishler, V. A., 120, 472
Iversen, H., 44
Iwamoto, E., T101
Izukanne, R. O., 696

J

Jackson, D. J., M222
Jackson, J. A., 114, 670, M64
Jackson, S. P., 677
Jacob, G., M231
Jacobi, S., 175
Jacobson, B., T193, T194, T195
Jaeger, A., 488
Jaeggi, J., 369
Jaeggi, J. J., 368, M52
Jafari, A., M12, W24, W25
Jakob, S., 694, 695, W135
James, R., W176
James, R. E., W253
James, S., 634
Janßen-Tapken, U., W114
Janes, K., M144
Jang, I. S., M90
Janovick Guretzky, N. A., 444, 445
Jansen, E., 415
Jansen, G. B., 647
Janss, L. L. G., 137
Jarboe, E., W57
Jardon, P. W., W189
Jarvie, B., 548
Jaster, E., 128
Javadmanesh, A., M19
Jayarao, B., 543, T17, T18
Jeaurond, E. A., 181, M101, T137
Jendza, J. A., 689
Jenkins, T. C., 112, 116, 624, W189
Jenkins, T. G., M32
Jensen, B. B., W140
Jensen, J., 30
Jensen, S., 311
Jeon, B. J., T63, T64
Jeong, J., T111
Jesse, G., T250
Ji, F., 179, W128
Ji, T., W56
Jia, Z., T241
Jiang, H., W107
Jimenez-Flores, R., 602, T53, T55, T59, W52
Jiminez, H. R., W206
Jin, H. Y., M79
Jin, J. K., M90
Jinjarak, S., W52
Johnson, A., W11
Johnson, B. J., 173, 410, 676, 680, W94, W105
Johnson, D. E., 322
Johnson, J., T156
Johnson, J. W., M67
Johnson, M., 156, 369, M51
Johnson, M. L., M225
Johnson, R., T115
Johnson, T., M215
Johnson, T. E., M194
Johnson, T. M., M57
Johnson, Z. B., 61, 64, 551, M3, M148, T43, T116, T117, W80
Johnston, S., 569
Jones, D. A., M136, M137, W202
Jones, J., T35
Jones, M., M132, M133, T154
Jones, W., W84
Jonovich, L., 496, 497
Joo, W. S., W150
Jordan, E., T113
Joseph, J., W82
Joseph, P., M53
Juarez, F., M181
Juarez-Reyes, A., 590, W87, W89
Juarez-Reyes, A. S., 587
Julien, P., 678, W97, W112
Jun, S. S., M90
Jung, H., 384
Jung, H. G., 429, 430, 431
Jung, T. H., W51
Junghans, P., T198
Jungnitsch, P., 420
Jungst, S. B., T128
Justen, B. A. L., T232

K

Kadarmideen, H. N., 137, 139, W114
Kadegowda, A. K. G., T178
Kadzere, C. T., T227, W131, W132
Kahl, S., 276, M7, M9
Kalm, E., 135
Kalscheur, K., T195
Kalscheur, K. F., 46, 436, 447, 705, T214, T215
Kamanga-Sollo, E., W98, W100
Kamel, C., M166
Kamimura, S., M120
Kammes, K., T79
Kang, H., M121
Kang, S. Y., M90
Kannan, G., T85
Kaplan, R., 223
Kapoor, R., 149, 574
Karacelik, H., T58
Karakas Oguz, F., M217
Karanian, J., W15
Karbasi, A., 499
Karnati, S., T225
Karr, K. J., 458
Karr-Lilienthal, L., 492, 566
Karsi, A., 415
Kashki, V., T240, W69
Kato, T., T33
Katsuki, P. A., W187
Katz, L., T251
Katz, L. S., T7
Katz, M., M78, M198
Kauf, A., 381
Kawachi, H., M127, M134, T148
Kay, J., 282, 285
Kaylegian, K. E., 31
Keala, N., M141
Keating, A. F., 283, W123
Kebe, S., 582
Kebreab, E., M205
Keffaber, K. K., T121, W12
Kegley, E. B., 65, M6, W33
Kehoe, S. I., 442, M196
Keisler, D., 47
Keisler, D. H., T144
Keller, G., M111
Keller, T., 319
Keller, W., 673
Keller, W. L., 110, T190
Kelley, R., 656
Kellogg, D. W., M148, T43
Kelly, J. M., M240, W146
Kelly, P., 273
Kelsey, J., W121
Kelton, D., 4, 233, 630, M71
Kelton, D. F., 76
Kemp, B., 508
Kendall, N. R., M116
Kennedy, A., T222, W178
Kennedy, A. D., 265, T217
Kennelly, J. J., 283, W123
Kenny, D. A., T113
Kensinger, R. S., 302, 596
Keokkoek, A., 682
Kerley, M., 216
Kerley, M. S., 613, M163, M184, W61
Kerr, B., 527
Kerr, D., M8, M11
Kerros, S., 377
Kerry, J., 529
Kerth, C., W84
Ketchen, D., 174
Khan, S., 414
Khaul, A., W39
Khirwar, S. S., 337
Khorasani, G., T186
Khouildi, B., 650
Ki, K. S., W236
Kianzad, M. R., T240
Kilgour, R. J., T5, T6
Kim, B. G., T125
Kim, B. W., T78
Kim, C.-H., W236, W240
Kim, E. S., T22
Kim, G. S., T78
Kim, H. J., M88, M104, M107, W152
Kim, H. S., M91, W236, W240
Kim, I. H., M88, M91, M104, M107, T131, W152
Kim, J. G., M108, M109, M110
Kim, J. J., W51
Kim, M., 148
Kim, N. C., T63, T64
Kim, S., 514, 664, 665, T224
Kim, S. C., T82, T239
Kim, S. H., T60, T61, T62, W104
Kim, S. J., M88
Kim, S. W., 179, M67, W128
Kim, Y. S., 192, M79, T112
Kim, Y. Y., 187, W150
Kincaid, R., 465, T162
Kinder, J., 638
Kinder, J. E., 299
Kindlein, L., W95, W96
Kindstedt, P., 159, M45
Kindstedt, P. S., 570, 571
King, L. T., W20
King, M., 232
Kinghorn, B. P., 139
Kirby, J., 414
Kirk, J. H., W252
Kirkpatrick, B., 360, T13
Kirkpatrick, B. W., T22
Kirkwood, R. N., 532
Kistemaker, G., 645, 646
Kitts, S., M176
Kitts, S. E., W247
Klasing, K., 482, 485
Kleessen, B., M233
Kleinschmit, D., T211
Kleinschmit, D. H., T214
Kliem, K. E., 509
Klopfenstein, T., 215, 217, 219, 314, 379, 422, M157, M158, W60
Kloss, B., 538
Klotz, J. L., W165
Kluess, J., M233
Knapp, J., 212, 213
Knepley, P. E., 469
Knight, C. D., 290
Knight, T., 263, T106
Knights, M., 583
Knol, E. F., 524
Knowlton, K. F., W1, W4, W253
Knuth, A., 354
Ko, M., M161
Ko, Y. H., M90, W109
Kobayashi, K., M65
Koca, N., 371, M37, T46, W56
Koch, W., 319
Kodama, Y., 148
Koehnk, H. J., T123
Kohen, C., M38
Kohn, D., T10
Kohn, R., 317, M197, M203, T226
Kohn, R. A., 119
Kojima, C. J., M84
Koknaroglu, H., 263
Kolath, W. H., 613
Kolb, A., 273
Kolbehdari, D., T25
Kollmann, M., 200, W181
Kolver, E., 201
Kolver, E. S., 56, 98, 99, 100, 101
Kong, C. S., 187
Korsgaard, I. R., 25, 30
Koskinen, M., T16
Kotaka, H., T102
Kott, R. W., 133, M18
Kouakou, B., T85
Kouba, A., M132, M133
Kraeling, R. R., M129
Kramer, A., 413
Kramer, J., 162
Kramer, J. K. G., W32
Kramer, S., M150
Krause, D. O., 434
Krause, K. M., 512, T10
Krebs, H., T227, W131, W132
Krebs, N., 451, 540
Krehbiel, C., 20, 610
Krehbiel, C. R., 619, W80
Kremer, B., T136
Kridli, R., 303, 518
Kristensen, N., M206, M199
Kristensen, N. B., 500
Krueger, N., 514, T83, T224
Krueger, N. K., T82
Krumpelman, S. L., W33
Krupa, S., T76
Kuchida, K., T33, T101, T102, T103
Kuehn, L. A., 129, 130, 132, 133
Kuhlenschmidt, M., 602, 603
Kuhlenschmidt, T., 602, 603
Kuhlers, D. L., T128
Kuhn, D., T10
Kühn, I., W133
Kuhn, M., M21, T39
Kuhn, M. T., T38, W172
Kulick, A. E., **235**, T20
Kung, J. C., **W167**

Kung, L., T211
Kung, Jr., L., 117, W193
Kuo, C. J., W56
Kurataki, E., M120
Kutschenko, M., 526
Kwak, H. S., T60, T61, T62, T63, T64, W51
Kwon, I. K., 180
Kwon, O. S., M88, M91, M104, M107, T131, W152

L

Labastida, M., W47
Lacasse, P., 3, 5
Lacetera, N., T143
Lachmann, M., T122
Lackeyram, D., 267, 271
Lacroix, R., 475
Ladd, J. M., 46, T214
Laencina, J., T51
Lafón, A., W16
Laforest, J.-P., W148
Laiakis, E. C., T146
Lake, S., M186
Lallés, J.-P., M1
Lalman, D., M56
Lamb, G. C., 617, T187
Lamberson, W., W164
Lametsch, R., 178
Lan, Y., T138
Lana, R. P., M165, M174
Lancaster, P. A., 452, W29
Landa-Salas, K., 590
Landrito, E., M234
Langella, C., 377
Lanhart, S., T35
Lanna, D., T197, W95, W96
Lanna, D. P. D., 220, 627, T205, W27
Lanzas, C., 700
Lapierre, H., 82, T199, T200, W230, W231, W232, W234, W235
Lardner, H., 420
Lardner, H. A., 269
Lardy, G., 609
Lardy, G. P., 301
Larkin, D., 648
Larsen, M., 227
Larsen, T., 234
Larsgard, A. G., 92
Larson, D., 609
Larson, J. E., M172
Larson, R., T173, T175
Larson, S., T17
Lassen, J., M25
Lassonde, L., T59
La Terra, S., 105
Laubach, M. S., 110
Laubitz, D., 694
Laudert, S., 163, 164, 165, 166, 167, 168, 169, 170, 171, 172
Laudert, S. B., 425
Laue, H.-J., 500
Lauer, J., 704, T210
Lawlor, P. G., 293, 529
Lawlor, T., 558
Lawlor, T. J., 560, 561
Lawrence, B., 61, M3
Lawrence, K. R., 676
Lawrence, M., 415
Lay, D., 412, 415
Lay, Jr., D., 449, 450, 528
Lázaro, R., 395, 489, M143, T109, T133
Le, T., 37
Lean, I. J., 103, 433
Leão, M., T185
Leão, M. I., T205
LeBlanc, S., 78, 242, 511
Leblanc, S. J., 76
Ledwith, D., 662, M140
Lee, C. N., 192, M141, W177
Lee, C. W., T34
Lee, C. Y., M90, M121, W104
Lee, D., T186
Lee, D. H., T37, W104
Lee, H. B., 187
Lee, J., 3, 648
Lee, J. H., T85
Lee, K. C., T111
Lee, S. S., T111, T131
Lee, W. J., W45
Leedle, J., W24, W25
Leger, M., 68
Legleiter, L. R., 333, 335
Lehloenya, K. V., M136, W202
Lehrer, H., M78, M198
Lehtola, P. S., 365
Lei, X. G., 483, 685, M99
Leighton, E., 136
Leite-Browning, M. L., 582
Lemaster, J. W., M222
Leme, P. R., 220, 627
LeMieux, F., 68
Lemke, E., 199
Lemme, A., T126
Lemosquet, S., 708, T199, T200
Lensing, R., W144
Leonardi, C., T182
Lepage, P., T15
Leslie, K., 78, 233, 236, 242, 548, 682, M13, M71
Leslie, K. E., 76
Less, J., M102, T132
Lessard, M., 546, M1, W22, W23, W234, W235
Leury, B. J., T127
LeValley, S., M16
Lew, B. J., 277, M74
Lewin, H., 648
Lewin, H. A., 195, 196
Lewis, A., 496, 497
Lewis, C., 451, W14
Lewis, F. M., 110
Lewis, G., 713
Lewis, M., 36, M38, T50
Lewis, R. M., 129, 130, 355
Lewis, T., 145
Ley, E., W62
Leymaster, K., 361
Li, C., 276, 612, M9, M30, M31, T23, T31, T144
Li, J., 463
Li, R., 248
Li, S., W42
Li, Y., 139, W114
Liboni, M., W119
Licitra, G., 104, 105, 150, 252, 315, 417, 435, 576, M41, T14, W180
Lien, C. Y., M235
Liesman, J., 47, 675
Liesman, J. S., 277, M74
Light, P., 222
Lilly, C., 122
Lim, K., 370
Lima, L. G., M124, M126
Limpisathian, P., W55
Lin, J., T76
Lin, Y. Y., M235
Lindemann, M. D., M111
Lindinger, M., T242
Lineiro, M., 83
Link, J., 190
Linn, J., 534, M193, T173, T175
Linn, J. G., 429, 430, 431, M207
Lires, W., W52
Lissemore, K., 233, 634
Litherland, N. B., 320, 321
Liu, C., 186, W111
Liu, J.-X., T65, T66, W88, W183
Liu, L., 270
Liu, Q., 267, 270, M94
Liu, W. T., 38
Liu, W.-S., M234
Liu, Z., W132, T227, W131
Livshits, L., M78, M198
Lloyd, K., 332
Lloyd, K. E., 335
Lo, L. L., M235
Lobley, G. E., 82, T200, W232, W234, W235
Lobo, R., M34
Lobo, S., T31
Lobos, N. E., 84, W237
Locatelli, M., 288
Lochmann, R., M72
Lock, A. L., 281, 284, M96, T191, T192, W130
Loe, E., 426, 553
Loe, E. R., 454, 455, 456, 457, W58
Loerch, S., T183
Loerch, S. C., 618
Loest, C., 713
Lohakare, J. D., 180
Lohuis, M., 135
Lombard, J., 310, 311
Lomeli, J. J., W249
Lonergan, S., T106
Long, H. F., W150
Long, J., 256, 394
Long, M. R., M196
Long, N. M., W163
Lonnerdal, B., T52, W129
Looper, M., W19
Loor, J., 648
Loor, J. J., 195, 196
Lopez, J., M178
López, M. B., T51
López, R., W113, W254
Lopez, S., 509
Lopez-Guerrero, I., 221
Losa, R., 509, W227
Lotto, A., T11, T12
Lovell, F., 415
Lovendahl, P., 359
Lowe, G., T183
Lowe, J., T174
Loyola, V. R., W187
Lozano, R., M130
Lucey, J., 156, 161, 369, M51
Lucey, J. A., 368, 572, M52, M54, W45
Luchansky, J., 153
Luchini, D., T191
Lucy, M. C., 15
Ludden, P. A., 714
Luginbuhl, J.-M., 50
Lukas, J. M., W182
Lund, M. S., 30
Lund, P., M206
Lunt, D. K., W29
Luo, H., T241
Lupton, C. J., T166
Lv, J.-M., T65, T66
Lynch, D., T230
Lynch, P. B., 293, 529
Lyons, B., 230

M

Ma, Y., 39, T202
Mabjeesh, S. J., 597
Macciotta, N. P. P., 28, 29, 516, T163
MacDonald, J., 217, M158
Macgregor, C. A., 86
Mach, N., M182
Machado, P. F., W65, W66
Machado Neto, R., W95, W96
Mackay, W. S., 264
Macmillan, K., 93, 323
Madden, M., T9
Mader, C. J., M161
Madsen, P., 30, 249, 363, M25
Madsen, S. A., 17
Madureira, E. H., M124, M126
Magliaro, A. L., 302, 596
Mahan, D. C., 286
Mahanna, W., 534
Mahdavi, A., T237
Main, M., T230
Maiorano, G., T107, T110
Maiorano, R., M93
Maisonnier-Grenier, S., W135
Malone, R. P., T113
Maluf, D. Z., M124, M126
Manchisi, A., T107
Mâncio, A. B., M165
Mancio, A. B., M174
Mandell, I., 268, T31
Mann, G. E., 308, M96, M116
Manteca, X., 313, M179, T171
Manzanilla, E. G., M92, M103, W139
Manzo, R., M125, T168
Mao, S. J. T., 35, 38, T54
Marcelo, P. A., 152
Marchant-Forde, J., 412, 449, 528, W10
Marchant-Forde, R., 412, 449, 528
Marcondes, M. I., M180
Marette, A., W110
Margerison, J. K., 222, 334
Marino, G., 576
Mariscal, G., M98
Mariscal-Landin, G., M86, M87
Mark, T., 351
Marquezini, G., T164, T165
Marriott, D., M38
Marrs, G., 468
Marti, C., 354
Martín, A., W116
Martin, D., M13
Martin, G., 464
Martin, L., 564, 565
Martin, N. P., W76
Martin, S., M13
Martin-Castaneda, G., W160
Martineau, R., W230, W231, W232

Martínez, H. R., 295
Martinez, T. F., M167
Martinez Amezcua, C., 492
Martínez-Puig, D., M92
Martín-Orúe, S. M., 60, M103, W139
Martín-Peláez, S. M., 60
Martins, E., T41
Martins, E. N., M232
Martins, R. M., M232
Masino, C., 254
Massé, D., M230
Massingill, L., 672
Masuda, Y., T45
Matarazzo, S., T197
Mateescu, R. G., 298
Mateo, R. D., 179
Mateos, G. G., 313, 395, 489, T109, T133
Mathew, A., W57
Mathews, B. W., M82, T80
Mathison, G. W., 612
Matic, Z., T170
Matsui, T., M127, M134, T148, W153
Matsumoto, H., M127, M134
Matte, J., 546
Matte, J. J., 8, 11, W148
Matterson, P., M4, M10
Matterson, P. L., M5, T19
Matthews, A., W37
Matthews, J., M77, W37, W38, W161
Mattison, J., 468
Mattos, W., T197
Matukumalli, L. K., 17
Matzat, P., W10
Matzat, P. D., 404
Mau, M., M115
Maulfair, D., 127
Maxwell, C., 232
Maxwell, C. V., 61, 64, 551, M3, M105
Maxwell, H., T169
Mayeux, H. S., 461
Mazal, G., 573, M42
Mazucheli, J., T41
Mazzette, A., 382
McAllister, A., 94
McAllister, A. J., 114, M64
McAllister, T., 383, T100
McAllister, T. A., M167, M168, M169, T2, T170, T179, T180, T181, W59, W184, W185, W186, W224
McBride, B., T242
McBride, B. W., M205, T203, T204, T228
McCann, M., 493
McCann, M. E. E., 691
McCarthy, R. J., W53
McCartney, D., M55, W28
McCarty, G. W., 381
McClary, D., 511
McClenton, B. J., T213
McCluskey, B., 310
McColl, A., T166
McCone, G., T251
McConnell, C., T192
McConnell, L. L., 381
McCracken, K. J., 691
McCurdy, M., 20, 610
McCusker, R. H., W102
McDowell, L., 6
McElroy, A., 57
McEvoy, K., W46
McEwan, N., 510
McFadden, J. W., 320, 321, M202
McFadden, T. B., 54, 593, 659, T147
McFarland, D., W111
McGilliard, M., M155, W176
McGilliard, M. L., 601, W5, W124, W125
McGlone, J., 451, 540, W11, W14
McGregor, G., 108
McGrew, P., W43
McGuffey, K., T206
McGuire, M., 279, T188, W121
McKay, L. L., M46
Mckay, S., T23
McKeith, F., 296
McKeith, F. K., 445
McKinnon, J., W28
McKinnon, J. J., 269, 272, W223
McKnight, D., 682
McLaren, D. L., T170
McLeod, K., M176
McLeod, K. R., W247
McLeod, S. J., M83
McMahon, D., M53
McMillan, E., W149
McMillin, K. W., 588
McMunn, K., 412, 449, 528
McNamara, J., M209
McNamara, J. P., 214
McNeill, R., 193
Means, W. J., 684
Medina-Jimenez, F., M248
Medugorac, I., 653
Meek, K. I., 114, 670
Meers, S., 487
Meers, S. A., M97
Mehaffey, J. M., 396
Meidinger, R. G., M240, W146, W147
Meinen, R., 464
Meir, A., 632
Mele, M., 575, T163
Melgar, A., 711, W199
Melican, D., T90
Melilli, C., 150
Mencke, J., 58
Mendes, C. Q., M229, T243, T246, W207
Mendoza-Martínez, G., M175, W196, W197
Menezes, L. F. G., M178
Meng, Y., T24
Menghe, B., W48
Mentink, R., T218
Merchen, N., 492
Merino, J., T4
Merkel, R. C., T88, W80, W85, W86
Merkel, R. M., T86
Merriam, J., W26
Mertens, D. R., 429, 430, 431, T223
Mertig, A., 639
Mertz, K. J., M137
Messer, L., 135
Mestelan, S. A., W70
Meszaros, A., 108
Metges, C., M233
Metges, C. C., T198
Metin, M., 371, M37
Metra, P., 377
Metzger, L. E., 149, 155, 160, 365, 367, 574, M46
Meullenet, J.-F., 396
Meunier-Goddik, L., 157
Meunier-Salaün, M.-C., W9
Meyer, J. P., 69
Meyer, M. J., 601, W105, W124, W125
Meyer, N., M190
Meyers, M., T28
Mezes, M., 189
Mhike, X., T210
Michael, N., 354
Michaud, R., T67
Middelbos, I., 566
Middleton, T., 715
Mies, W. L., 246
Miglior, F., 349, 645, M20
Miglioranza, L. H. da S., W67
Miguel, J., 59
Mikesell, B., 464
Milán, M. J., 498
Miles, E., W37, W161
Miller, B., 614, M2, M171
Miller, B. L., M194, M195
Miller, C., 544
Miller, D., 300
Miller, D. D., M99
Miller, H., W151
Miller, J., 224, 225, 522
Miller, J. E., 588
Miller, R., 469
Miller, R. H., W172
Miller, S., 268, 462, T31
Miller, W. F., 322
Miller-Webster, T., 513, W248
Miller-Webster, T. K., 86
Millis, D., 569, W35
Millman, S., 630, 634
Millman, S. T., T9
Mills, J. K., M192
Milne, E., 82
Milner, J., W179
Min, B. J., M88, M91, M104, M107, T131, W152
Mine, Y., 267, 270, 271
Miner, J. L., W92
Minton, J., 553
Minton, J. E., 676, W94
Mir, P., 106, 615
Mir, P. S., T219
Miranda-Romero, L., W196, W197
Misch, L., 634
Mishra, R., M51
Mistry, V. V., W49
Misztal, I., 21, 23, 523, 525, 557, 558, 560, 561
Mitchell, A., T104
Mitchell, M. A., 425
Miura, Y., 388
Miyake, M., 388
Miyasaka, S. C., M82
Miyazawa, K., 545, 550
Mizubuti, I. Y., T1, W187, W212, W217, W222
Moallem, U., 506, M78, M198
Moehn, S., 287
Moghaddam, G., 719
Moghaddam, G. A., W213
Mohammadi, M., 345
Mohammed, R., T186
Mohan, S., 413
Mohrrery, A., T248
Molina Corral, F. J., M49
Moloney, A., M183
Moloney, A. P., 393, T113
Momani-Shaker, M., 518
Monaco, M., T52
Monaco, M. H., W101, W102
Monahan, F., M89
Monahan, F. J., 393
Montalvo, G., 423
Monteiro, R. R., 570, M43
Monteiro, V. S., M40, T48
Montero, M., M181
Montiel, M. D., W188, W210
Montoya-Escalante, R., 590, W87, W89
Moody, D., 176, W91
Moody, D. E., W93
Moody, M. L., M196
Moon, Y. S., M121
Mooney, C. S., M204
Moore, C., 282, 285
Moore, D., 474
Moore, J., 348, 386
Moore, S., 453, M30, M31, T23, T24, T31
Moore, S. S., 612, T144
Morales, J., 313, M143
Moreira, F. B., W187
Moreira, I., 526, M231, M232, M239
Moreira, L. M., M165
Moreira, R. J. C., M124, M126
Moreira, V., M147
Moreno, M. F., W63
Moreno-Jaramillo, R., W196, W197
Morgan, R., 509
Morgante, M., T11, T12
Morin, D. E., 195, 593
Morita, K., M120
Mormede, P., W10
Moro-Mendez, J., 247
Moroni, P., T93
Moroyoqui, J. A., T247
Morris, D., 193
Morris, S., 219
Morrow, R. E., M57
Moscardo Morales, P., 222
Mosenthin, R., 687
Mosier, D., 553
Mosley, E., 279, T188, W121
Mosley, S., T188, W121
Moss, G., M186
Mota, M., M14, M15
Motohira, Y., T33
Mould, F. L., 509
Moulder, B. M., 117, W193
Moulton, K., 415, M133, T154
Moura, A. S. A. M. T., M73
Mousel, M., 361
Mowrey, D., 163, 164, 165, 170, 171, 172
Moxley, R., 314, 379, W60
Moyer, T., W10
Moyes, K. M., 118
Moyes, T., 323
Mpapho, G. S., 705
Mrad, M., 650
Muenger, A., 666
Muetzel, S., 509
Muhdi, H., 303
Mule, H. R., T128
Muller, L. D., 596
Müller, R., 635
Mulligan, F., M183
Mullinix, Jr., B. G., 258, 259, W163
Mulrooney, C. N., 117, W193
Mundia, M., W146
Munksgaard, L., 359
Muntifering, R., T76

Murakami, A. E., 526
Murdoch, B., M31, T23
Murdoch, G., 605, M12
Murphy, E., 405
Murphy, J., T213
Murphy, M., T208
Murphy, M. R., 325, 326, T219
Murphy, S., 40
Murray, B., T113
Murray, D. A., M240, W146
Murrieta, C., M187
Musella, M., T107
Mussard, M. L., 299, T153
Mustafa, A., 339, 671
Muthukumarappan, K., M47, M48
Muthukumarrapan, K., 149
Mutsvangwa, T., T204
Mydland, L. T., T229
Myer, R., 294, 494
Myers, P. J., 112
Myers, Z. H., 328, 418
Mylin, J. L., 469
Myre, A., 678, W97, W112

N

Nadarajah, K., T128
Nagai, Y., 202
Nagaraja, T. G., W58
Nam, S., T196
Nami, M., T102
Namkung, H., M101
Nardon, R. F., 220
Nardone, A., T143
Naserian, A., 446
Naserian, A. A., 342, 343, 515, 626, 631, T245, W215
Nash, A. S., 427
Nassiry, M. R., M19
Nathanielsz, P., 606, W156
Nayigihugu, V., M186
Nebel, R., 94
Neel, J., 257, 260, 261, 620, W75
Neel, J. P. S., M164
Neelakantan, S., T58
Nelkie, A., 107
Nelson, B., 158, 366
Nelson, V., 501
Nelson, W., 538
Nelssen, J. L., 286
Nennich, T., 466, 467
Neuendorff, D., 496, 497
Nevarez-Carrasco, G., 590, W87, W89
Newbold, C., 510
Newbold, J. R., M212
Newkirk, R. W., 188
Newton, G. R., T91
Ngonyamo-Majee, D., 704, T210
Nguyen, H., 186, 390
Nguyen, P., 564, 565
Ngwa, A. T., W85
Ngwa, T., T86, T88
Nichols, B. L., 267
Nichols, W. T., 458, W30, W31
Nickerson, S. C., 113
Nicodemus, M., M81
Nicolussi, P., 382, 516
Niekamp, S., 411
Niekamp, S. R., 312, 533, 547, 552
Nielsen, F., 482, 484
Nieto, M., 395
Nieuwhof, G. J., 130
Nikkhah, A., 45, 265, 341, T68, T217, T222, T237, W211
Ningrat, R., 509
Niranjan, K., 33
Nisbet, D., 378, 579
Nitsch, S., 189, 380
Nkrumah, D., M30, M31
Nkrumah, J. D., 612, T144
Nocek, J., 209, 331
Nochi, T., 202
Nogueira, E., W26
Nonnecke, B., M2
Nonnecke, B. J., 235
Noorbakhsh, R., 416
Noori, R., W226
Norberg, E., 363
Nordlund, K., 205, T218
Norell, R., W68, W169, W170
Norell, R. J., W182
Norman, D., 205, 558
Norman, H. D., 203, 316, 350, M20, M22, T38, W172
Norouzy, A., M19
Nortey, T., 690
Nosal, M., T76
Notter, D., M221
Notter, D. R., 132, 133
Novak, S., 605
Nowrozi, M., 90, 344, 345, 719, T240
Nudda, A., 338, 382, 595, W121
Nueske, S., 653
Nussio, L. G., W207
Nuti, L. C., T91
Nyachoti, C. M., T96, T97, T138, T142
Nyannor, E. K. D., T141
Nydam, D., M13

O

Oakes, M., 309
Oba, E., T150
Oba, M., 108
Oberg, C., M53
Obregón, J. F., T247
Obregon, J. F., M216, T249
Ochonicky, K., 602, 603
O'Connell, J. M., 693, T134
O'Connell, M. K., 293
O'Connor, M., 472
O'Connor, M. L., 596
Odens, L., 55, 285
O'Doherty, B., T81
O'Doherty, J., M89
O'Doherty, J. V., 293, 693, T134
Odongo, N., M205, T242
Odongo, N. E., T204
Oetzel, G. R., 512, 643, T10, T21
Oguey, S., 377
Oguz, N., M217
Oh, S.-H., M26, M27, T37
Ohanesian, N., 353
Ohata, A., W153
Ohmori, H., W153
Ohwada, S., 388, 545, 550
Oikawa, S., T21
Oka, A., T101
Okamoto, K., T33
O'Kiely, P., W73
Okine, E., M30, T100, W28
Okine, E. K., 612
Olabi, A., W52
Olcott, B. M., 588
Olde Riekerink, R. G. M., 2
Oliphant, E. J., 262
Oliveira, D. M., M180
Oliveira, M. D. S., 277, M74
Oliveira, S., M14, M15
Oliveira, V. C., W67
Oliver, C., 673
Oliver, M. A., M182
Olmos Colmenero, J. J., 84, W237
Olori, V., 652
Olson, G. A., 684
Olson, K., 468
Olson, T. A., M33, M123
Oltjen, J. W., M66
Olukosi, O. A., W134
O'Mara, F., W73
Ominski, K., 424
O'Neil, M., 301
Ong, L., 364
Opapeju, F. O., T96, T138, T142
Ordway, R., 81
Oresanya, T. F., 182, 183
O'Rourke, K. I., M225
Orth, M. W., 240
Osawa, T., T33
Osborne, J., 638
Osborne, P., 478
Osborne, V. R., M205
Ososanya, T., T82
Oswald, I. P., M1
O'Toole, A. D., 427
Otsuki, K., W115
Otto, G., 135
Ouellet, D. R., W230, W231, W232
Overend, D. N., 188
Overton, T. R., 235, T20
Owens, F., M159
Owens, F. N., 455, 456
Owens, S., T226, W242
Owens, S. L., W126, W143

P

Paape, M. J., 381
Pacheco, O., W206
Packer, I. U., M229, T243, T246, W207
Packham, J., W68
Padilla, S., W160
Pagán, S., W221
Pagano, A. R., 685
Pahm, A., 297
Paiano, D., 526, M231, M232
Pajor, E., 450
Palma, R., M138, M139
Palmquist, D., T234, T235
Palomba, M., 382
Palozza, P., 104
Pan, Y., 647
Pandya, P., 582
Panetta, D., 709
Paolone, K., T107
Pape-Zambito, D. A., 302
Pareek, R. S., M11
Park, C., 673
Park, C. S., 110
Park, J., M121, T122
Park, J. S., 657
Park, N. H., T111
Park, W. G., W150
Park, Y. W., T85
Parkinson, S., W68
Parmley, S., T186
Parra, A. R. P., M239
Parrott, Y., 108
Parsons, C., 492
Pascale, M., 382
Pascall, M., W50
Paschal, J., 495
Patel, D., 157
Patience, J., 690
Patience, J. F., 182, 183
Paton, N., 490
Patra, A., T86
Patra, A. K., W83
Patta, C., 516
Patterson, D. J., 69, 307
Patterson, J., 605
Patton, R. A., 84, T72, T73, T74, W237, W241
Pauletti, P., W95, W96
Paulino, P. V. R., M180
Pavan, E., 255, 256, W77
Pavan, E. E., M185, T114
Payne, F., M39, T47
Payne, R., 66
Payton, T., 582
Pearson, R., 94, 555, M24, M155, T27, W176
Pearson, R. E., T3, W1, W4, W253
Pedersen, C., 297, 491, M112
Pediliggieri, C., M41
Peley, O., W81
Pellerin, D., T94, W230, W231
Pelletier, S., T67
Pence, K. J., T3, W1, W4, W5
Pence, K. P., W253
Pencharz, P. B., 266
Pennington, J. A., M58, M59
Perdigão, L. S., M232
Pereda-Solís, M., M175
Peregrine, A., M13
Pereira, E., T164, T165
Pereira, E. S., T1, W187, W212, W217, W222
Pereira, J. A. C., T43
Pereira, M. N., T207
Perez, A. B., M216, M218
Perez, G. C., T150, T151
Perez, M., 586
Pérez, J. F., 60, W140
Pérez, J. F., M92, M103
Perezgrovas, R., W113, W254
Pérez Laspiur, J., 12
Perfield, II, J. W., 281, 284, M68
Perkins, A., W91
Perkins, N., 548
Perkins, T., M250
Perry, B. J., 544
Perry, G. A., 306
Perry, H. B., M194
Perryman, K. R., 290
Pesall, J., W111
Petacchi, F., 575
Peters, R., 317, M197
Peters, T., 614, M171
Peterson, A. B., 119
Peterson, B., W106
Peterson, B. A., M80, M249, T174, W13
Peterson, N., M62

Peterson, P. R., 430, 431
Peterson, R., 314, 379, W60
Petit, H. V., T179, T180, T181
Peto, C. M., T157, T158
Petriglieri, R., T14
Pettigrew, J., 59
Pfalzgraf, K., W10
Pfeiffer, A.-M., 319
Pfeiffer, F. A., T166
Pham, D., 267
Phillips, J. P., M240, W146, W147
Phillips, W. A., 461
Piao, L. G., 187
Piedrafita, J., 357, M17, M224
Pierzynowski, S. G., T89
Pietrosemoli, S., M138, M139, W81
Piñeiro, C., 313, 423, M143
Piñeiro, M., 313
Pinelli, A., M86, M87
Pingel, D., M156, M190
Pinkerton, B. W., 116
Pinos-Rodríguez, J., W196, W197
Pinotti, L., 10
Pinto, A. P., W187
Piperova, L., 196
Piperova, L. S., T178
Pirazzi, D., T143
Pires, A. V., M124, M126, M229, T243, T246, W207
Pires, J. A. A., M201, T189
Pisoni, G., T93
Pitty Del Cid, J., 682
Piva, A., M95
Plaizier, J., T222
Plaizier, J. C., 265, 434, T203, T217
Plante, Y., 647
Platter, W., 166, 167, 168, 169
Platter, W. J., 425
Pohlman, F. W., T116, T117
Poletto, R., 138
Pollak, E. J., 463
Pollard, A., 155, 160
Pollard, B., 14, 285
Pollard, B. C., 198, 199, 507
Polser, D., 163, 164, 165, 170, 171, 172
Pomp, D., W92
Pool, M. H., 252
Poore, M., 715, W244
Poore, M. H., 262
Portillo, J. J., T129, T130, W16, W63
Possin, I., M63
Pote, D., 522
Potter, A. A., 3
Potter, G., 51
Powell, J. P., W166
Powell, R. L., 350, M20
Powers, W., 527, 530, 709
Praharani, L., M123, M33
Prates, E. R., M178
Price, M. A., 612
Prien, S., T156
Prins, D. T., 524
Pritchard, J., 478
Pritchard, R. H., T172
Pritchard, W., W15
Prokop, B., 502
Prudencio-Ferreira, S., W34
Prusa, K., T106
Puchala, R., T88, T89, W80, W83, W85, W86
Pulina, G., 338, 382, 516, 595
Puntenney, S., T177
Purdy, P. H., T91
Pursel, V., T104
Purup, S., 274
Putluru, R. K., 192
Putman, E., 605
Putnam, D., 428, M191, W248
Pyman, M., 93

Q

Qian, M., T55, T56, T57
Qiu, X., T164, T165
Qradros, A. R. B., 526
Qu, A., T36, W145
Quaas, R. L., 463
Quadros, A. R. B., M239
Quesnel, H., W148
Quinn, M., 426
Quinn, M. J., 457

R

Racz, V. R., 272
Radcliffe, J., 190
Radcliffe, J. S., T120
Rademacher, M., 287
Radke, T., M102, T132
Rae, D., T35
Rae, D. O., M123
Raeth-Knight, M., 534
Raeth-Knight, M. L., 429, 430, 431, M207
Rafols, N., W204
Ragan, V. E., 243
Raggio, G., T200
Raisianzadeh, M., 90, 345, 719, T240, T244, W216
Raizman, E., 309
Rajamahendran, R., W174
Rajbhandari, P., 159
Ramirez, L. M., M143
Ramos, B. M. de O., W67
Ramos, B. M. O., W187
Ramos, C. H., M216, M218
Ramos, R., W67
Ramsay, T., M75
Rana, R., 682
Randel, R., 495, 496, 497
Randel, R. D., 452
Rapaccini, S., 575
Rapnicki, P., W162
Rastani, R. R., W117
Ratcliff, M. D., W33
Ratliff, B. W., 67, 289, 290, 291, 292
Rattanatabtimtong, S., W57
Raun, B., M206, M199
Ravarotto, L., T12
Rawles, S., M72
Rawson, C., 407, 408
Rayburn, E., 478, T81
Rayburn, E. B., M164
Realini, C., 257, 260
Reames, P., M119
Rearte, D. H., M185, T114
Recoquillay, F., 377
Redmer, D. A., 336, M70, M225
Reecy, J., 176
Reecy, J. M., T32
Reed, J. J., 336
Rees, E. M., M76
Reeves, D. E., T145
Reeves, J., W34
Refi, R., 253, 254
Rehberger, J., 232
Rehberger, T., 232, 551, M105
Rehberger, T. G., M136, M137, W202
Rehfeldt, C., 91, M115
Reid, E. D., 554, 661
Reinhardt, C. D., 458, W30, W31
Reinsch, N., 135
Reis de Souza, T., M86, M87
Rekaya, R., 22, 141, 142, 143, 144, M129
Rekhis, J., M215
Rekik, B., 650
Relling, A., M200
Remmenga, M., W72
Reneau, J. K., W182
Renken, C., 538
Rentería-Monterrubio, A. L., W136
Restle, J., M178
Reuter, T., 383, M167
Reveneau, C., 628
Reynal, S. M., 83, 88, W245
Reynolds, C., 213, M200, T183
Reynolds, J., 376
Reynolds, L., 300
Reynolds, L. P., 301, 336, M70
Rezamand, P., 118
Rhoads, M., 285
Rhoads, R., 282, 285
Rhoden, E., W78
Riasi, A., 663
Ribeiro, C., T225, T234, T235
Ribeiro, C. R., M239
Ribeiro, E., W34
Ribeiro, E. L. A., W187
Ribeiro, H., W34
Ribeiro, M. F., T246
Rice, C. P., 381
Rice, R., 667
Richard, C., 85
Richards, C., 18
Richards, M., M75
Richardson, R. L., M129
Richert, B., 190, 412, 449, 528, T120
Rickman, B., W2
Ricome, A., 278
Rideout, T. C., M94
Riesen, J., T251
Rijnkels, M., 37
Riley, D. G., 461, M33
Riley, M. B., 624
Rimbey, N. R., T167
Rincon, R. M., W160
Ringler, J., M173
Rios, F. G., M218, T129, T130, T249, W62, W63
Riou, Y., 377
Risse, R. T. A. N., T48
Ritter, M., W10, W11
Ritter, M. J., M249, T121, T174, W12, W13
Rizvi, S. S. H., 152
Roa Avila, N., M120
Robbins, K., 21
Roberson, P. E., M84
Robert, J. C., 85
Robinson, P. H., 625, W201, W205
Robinson, R. S., 308
Robles, V., T171
Roca, M., W139
Rocha, M. A., W187
Rocha-Chavez, G., M246, M248
Roche, J., 101, 201
Roche, J. R., 98, 99, 100, 324
Rodrigues, A. C. O., W65, W66
Rodrigues, G. H., T243, T246
Rodrigues, P. H. M., 627
Rodrigues, R., 151, 154
Rodríguez, A., W221
Rodríguez, C., 60
Rodriguez, S., 48
Rodriguez-Iglesias, R., T4
Rodriguez-Martinez, R., W64
Rodriguez-Saona, L., T46
Rodriguez-Zas, S. L., 195, 196, 533
Roelofs, B., M234
Rogers, G. W., 363
Rohrer, G., 361
Røjen, B., M206, M199
Rolland, D. C., W32
Rollin, B., 578
Roma, Jr., L. C., W65
Romero, J. S., T43
Ron, M., 648
Ronchi, B., T143
Roneker, K. R., 685, M99
Ropp, J. K., W199
Rops, B., M251
Roquet, J., 60, M103
Rosa, G., 138
Rosa, G. J. M., 17
Rosa, J. R. P., M178
Rosen, G., 62
Ross, C., 615
Ross, D. A., M192, W229
Rossi, J. E., W163
Rossini, K., W176
Rothschild, M., 184, T36, W144, W145
Rottinghaus, G. E., W20, W21
Rottinghaus, J. M., 322
Rouffineau, F., W135
Roura, E., M243, M244, M85
Rouse, G. H., T32
Rovai, M., 200, W116, W181
Roy, D., W23
Rubio, I., 406
Rucker, G., 539
Rueca, F., T143
Ruegg, P., W168
Ruegg, P. L., M201
Ruiz Moreno, M., 86, 663
Rule, D., M186, M187
Rulquin, H., T200
Rumph, J. M., M18
Rushen, J., T15
Russek-Cohen, E., W15
Russell, J., 709
Russell, L., 58
Russell, L. E., T123, T124
Rustomo, B., T228
Rutgliano, H. M., M118
Rutigliano, H. M., 70, 73, 74, 77, M128, M153, W201, W205
Ruvalcaba, L. A., M245
Ryan, P., 415

S

Saa, C., 498
Saacke, R., T27
Sackmann, J., 125
Saddoris, K., T120
Sadeghi, A. A., 716, 717, T68, W225
Sadeghi, A. M., 381
Sadeghi Panah, H., 341
Sadri, H., 45
Sæbø., A., 284
Sa Filho, O., T184
SáFilho, O. G., T150
Saha, A., 396
Sahin, M., W251
Sahlin, A., 7
Sahlu, T., T87, T89, W80, W83, W85, W86
Sainz, R. D., M66, M180
Sakaguti, E., T41
Saker, K., 632
Sala, R., M236, M237
Salak-Johnson, J., 411, W11
Salak-Johnson, J. L., 312, 533, 547, 552
Salama, A. A. K., 594, W116
Saldarriaga, J., 71, 72
Salfer, J. A., 419
Salgueiro, M. D., M201
Salles, A. S., 571, M43
Salmazo, R., W187
Salmikivi, L., T16
Salter, A. M., W130
Salvador-Torres, F., W136
Samei, A., M19
Sampaio, P. A. G. A., 264
Sampson, J., W164
Sanchez, J. M. L., M213
Sanchez, W. K., W203
Sánchez, S., W16
Sancho-Madriz, M., M50
Sanders, A. H., 316, 350
Sanders, C., W155
Sanders, J., 358
Sanders, K., 135
Sandmann, B., W3
Sands, J. S., 689, W134
Sands, M. T., 670
Santamarina, C., T161
Santini, F., W188, W210
Santini, F. J., M185, T114
Santos, J., M62, W26
Santos, J. E. P., 70, 73, 74, 77, M118, M128, M153, W201, W205, W252
Santos, M. V., 39, 573, M42
Santos, R. M., T150, T151
Santos, W., 151, 154
Sapienza, D., 704, T210, W224
Sapp, R. L., 22, 142, 144
Saremi, B., 446
Sari, M., 446
Sarikaya, H., W158
Sartin, J. L., 276
Sartori, I. M., M231
Sarvari, A., 499
Sasaki, K., T135
Sato, T., M65
Sauer, W. C., 188
Savoini, G., M93, M106
Sawant, A., 543, T17, T18
Sawdy, J., T115
Sawyer, J. T., 396
Scaglia, G., 221, 620
Scapinello, C., 526
Schadt, I., 435
Schaefer, A., 633
Schaefer, A. L., 544, T15, W28
Schaeffer, L. R., T25
Schafer, D. J., 69, 307
Schatzmayr, D., 189, 380, W138
Schatzmayr, G., 189, 380, W138
Schauer, C. S., M225
Schei, I., T229
Schenk, J., T28
Schenkel, F., T31
Scherer, C., M239
Scheuer, B., 683
Schilling, B. R., W29
Schimek, D. E., 110
Schinckel, A., 190
Schingoethe, D. J., 46, 436, 705, T214
Schirmer, B., 488
Schlamberger, G., W158
Schlegel, W. M., 346
Schlesser, H. N., T40
Schlipf, J. M., W13
Schlotterbeck, R., 440, 443, M191
Schmid, K., 612
Schmidt, F. J., W61
Schmidt, R., T211
Schmidt, R. J., 117
Schnaeckel, W., 383
Schneider, F., T198
Schneider, J., T122
Schoenau, J., 420
Schoenian, S., 585, M222
Schoknecht, P., T251
Scholey, D. V., M116
Scholl, D., 1
Scholl, D. T., 3
Scholljegerdes, E., M186, M187
Scholz, A., T104
Scholz, A. M., 653
Schroeder, A., 163, 164, 165, 166, 167, 168, 169, 170, 171, 172
Schroeder, A. L., 425
Schroeder, G. F., 710, W108
Schroeder, J. W., T190
Schukken, Y. H., 2
Schuler, M., M83
Schulte, D., 422, M157
Schultz, L., 111
Schulze, H., W194
Schupfer, P., 377
Schwab, C., 81, 428
Schwab, C. G., T231
Schwab, E., 428, M214
Schwartzkopf-Genswein, K. S., 635, T2, T219
Schweigert, F. J., 9
Scmidt, R. J., W193
Scollo, C., T14
Scott, F., 614, M171
Scott, M., 493
Scott, S., W28
Scott, S. L., T170
Secchiari, P., T163
See, M. T., M26, M27, T37
Séguin, M. J., 532
Seguin, P., 671, T67
Sehested, J., M206
Seichter, D., 653
Sejrsen, K., 274
Sekikawa, M., T103
Selje, N., 509
Sellappan, S., W75
Seo, S., T231
Seren, E., T143
Seroussi, E., 648
Serra, A., 575
Serrano, M. P., 395, 489, T109, T133
Séve, B., M1
Sewaki, T., T33
Sewalem, A., 645, 646
Sewalt, V. J. H., W224
Sexton, B., 501
Seykora, A. J., 95, 96, 97
Shafer, W., 459
Shah, M., 615
Shah, M. A., T219, T2
Shah, N. P., 364
Shamay, A., 597, 52, M78, W126
Shani, M., 648
Shanks, R. D., T40
Sharma, R., T100
Sharpe, P., 682
Shaver, R., 428, 704, M63, M214, T210, T232
Shawrang, P., 716, 717, T68, W225
Shay, T., W91
Shea, A., T47
Sheffield, R., 465
Sheldon, D., 468
Shen, Q. W., 392
Shen, Y., T98, T99, T139
Sheppard, K. C., T9
Sherwood, D., 422, M157
Shi, H., 278
Shi, W., W156
Shibata, I., M120
Shimada, K., T103
Shimogiri, T., M234
Shimokomaki, M., W34
Shin, Y. W., M108, M109, M110
Shingfield, K., 280
Shipp, T., M102, T132
Shirashoji, N., 368, M52
Shiri, S. A., 131, 718
Shirley, J., W3
Shirley, J. E., 322
Shockey, W., T81
Shoemaker, C., W84
Sholly, D., 190, T120
Shook, G., 360, T13
Shoveller, A., 287
Shoveller, A. K., 266
Siegford, J., 539, 640
Siemens, M., W10
Sievers, A. K., 500
Silber, M. L., M131
Silcox, R., 109, W179
Silva, E. P. B., 79, T157, T158, T159
Silva, M. A. A., M231
Silva del Rio, N., W117, W162
Silva-Ramos, J. M., W160
Silvestre, F., T184
Silvestrin, N., M239
Silvia, W., M119
Simm, G., 129
Simmins, P., 690
Simmins, P. H., 691
Simunovic, J., 42
Sinclair, L. A., 281
Singh, H., T53
Singh, N., M203
Singh-Knights, D., 583
Sipe, G., M77, W38
Sipiorski, G., 207
Sipkovsky, S., M74
Sissom, E. K., 680, W105
Skidmore, A., 206
Skipwith, A., W91
Skjolaas-Wilson, K. A., 676, W94
Skjøth, F., 241
Sklan, D., M198
Skovgaard, K., 16
Sleiman, F. T., W250
Slominski, B. A., T97
Slotnick, H., 474
Small, B., W106
Small, J., W178
Smith, D., 583, 314, 379, W60
Smith, J., 372, 504, 505, M140, W3
Smith, J. F., 373, 502, 503
Smith, J. M., W93
Smith, J. S., 710
Smith, M., 222
Smith, M. C., 298
Smith, M. F., 69, 307
Smith, R., 310, T79
Smith, T. K., M241, M242
Smith, T. P., 17
Smith, T. R., T213
Sniffen, C., W248
Socha, M., 329, 331
Sod, G. A., W238, W246
Soderholm, C., M193, T173
Sofos, J., 580
Soita, H. W., W223
Solaiman, S., T238, W84
Solà-Oriol, D., M243, M244, M85
Sollenberger, L., T83
Sollenberger, L. E., T77
Son, K. S., M88, M91, M104, M107, T131, W152
Son, S. K., T34
Song, C. Y., 35
Sonon, Jr., R. N., 257, 260, W75
Sonstegard, T. S., 17, 248
Sordillo, L., 543
Sørensen, A. C., 249
Sorensen, D., 30
Sørensen, M. K., 249
Sorensen, M. K., M25
Soryal, K., T84
Sosa-Garcia, J. A., W64
Souffrant, W., M233
Southern, L., 66
Southey, B., 136
Souza, A. H., 79, T157, T158, T159, T189, W166
Souza, L. W. O., 627
Spaguolo, S., W209
Spain, J., W164
Spain, J. N., W200
Spangler, D., T79
Spangler, M. L., 22, 142
Spears, J., 481
Spears, J. W., 332, 333, 335, 480
Speight, S. M., W195
Spence, A., T55
Spencer, J., 232
Spencer, J. D., 688
Spencer, M., 177
Spencer, T., W156
Spicer, L. J., 406, M136, M137, W202
Spiers, D. E., W20, W21
Spire, M., 553
Spitzer, R. L., T74

Springer, L., W107
Sprissler, R., 598, 599
Spurlock, M., 175
Squire, J. M., T137
Sreenan, J., 193
Sreenan, J. M., M122
Srichana, P., 67, 290, 291, 292
St. Amand, J., W193
Stahl, C., 176, 184, T36, W144, W145
Stahlhut, H. S., 335
Stahly, T. S., M100, W142
Stalder, K., T106
Stamey, J. A., 444, 445
Stanford, K., 501
Stanko, R., 71
Stanley, C. C., M76, W246
Staples, C., 514
Staples, C. R., T184, T239
Starkl, V., 380, W138
Starr, J. L., 381
Steffenhagen, K. M., M207
Steibel, J., 138
Stein, D. R., M136, M137, W202
Stein, H. H., 286, 297, 491, 686, M112
Steinberg, W., W193
Steine, T., 92
Steiner, T., 687
Stelletta, C., T11, T12
Stenzler, A., 544
Stephenson, T., 607
Steri, R., T163
Sterle, J., W10
Stern, M., 663
Stern, M. D., 86
Sterry, R. A., 75, T149
Stevenson, M. J., 84, T72, T73, T74, W237
Stewart, A., M223
Stewart, J., 609
Stewart, M., 633
Stewart, S., 471, W162
Stewart, T., T30
Stewart, Jr., R. L., T77
Stiening, C., 14, 600
Stiening, C. M., 198
Stinckens, A., 389
Stobart, R. H., T166
Stockdale, C., 323
Stokes, M., T251
Stoll, B., 402
Stoltenow, C. L., M225
Stone, R., T23
Stookey, J. M., 542
Storch, A., 354
St-Pierre, N. R., 89, W203
St-Pierrre, N., T115
Straley, B., T17, T18
Streeter, M., T2
Strickland, J. R., W165
Strom, K. E., 491
Stull, C., W11
Stup, R., 352
Stup, R. E., 472, 473
Su, G., 30
Such, X., 340, 594, W118, W198
Suedekum, K.-H., 500, 623
Suekawa, M., M65, W233
Sullivan, L. A., W243
Sullivan, P. G., 351
Sumner, J., M209
Sun, T., W48
Sung, K. I., T78
Sunny, N., W242
Sunny, N. E., W126, W143
Surjawan, I., T58
Suryawan, A., 186, 390
Susin, I., M124, M126, M229, T243, T246, W207
Suster, D., 191
Sutherland, M., 411
Sutherland, M. A., 312, 533, 547, 552
Sutton, A., 190, 465, T120
Suzuki, M., T45
Svanborg, C., 400
Swan, L., M145
Swanson, J., W3
Swanson, K. C., M161
Swartz, H., M223
Swecker, W., 620, W176
Sweeney, T., 693, M183
Swingle, R. S., 458
Swingle, S., T2
Sylvester, J., T225
Symonds, M., 607
Szasz, J., T188
Szasz, J. I., T168
Szasz, P. A., T168

T

Tabler, Jr., G. T., M148
Taghizadeh, A., W213, W214, W226
Tahmasbi, A., W213, W214, W226
Tait, Jr., R. G., T32
Takahashi, K., T102
Takashi, K., 550
Taketomo, K., 550
Talbot, B. G., 3
Talbot, G., W23
Tallam, S. K., M117
Tam, S., 108
Tamminga, S., W79
Tanaka, S., 545
Tanaka, T., T5, T6
Taniguchi, M., T24
Tanner, T., W36
Tappy, L., 683
Tarasco, C., T110
Tatham, B. G., T127
Tatum, J., 636
Tatum, J. D., 425
Tavakoli, H., W69
Tavares, D. Q., 570
Taylor, C., M176
Taylor, C. C., 702, W247
Taylor, J., 713
Taylor, J. B., 336
Taylor, S., W122, W129
Taylor, T., 520
Taylor, T. A., 517
Taylor-Pickard, J. A., 60, M103
Tedeschi, L., 174
Tedeschi, L. O., 700, T231
Tedesco, D., W209
Teixeira, N. M., 649
Teles, B. M., 281
Teller, R., T211
Teller, R. S., 117, W193
Terletski, S., 605
Terrazas, A., M216
Terre, M., 541, W171
Terrell, S., T242
Terrill, T., 226
Tesfahun, G., 592
Tewatia, B. S., 337
Thaler, R., M251
Thallman, R. M., 140
Thatcher, W. W., T184
Thelen, T., 713
Thies, E. J., 624
Thivierge, M. C., 678, W97, W110, W112
Thomas, D., 520
Thomas, D. L., 517
Thomas, E., M150
Thomas, E. D., 667
Thomas, J., 37
Thompson, B. M., 50
Thompson, C. M., W189
Thompson, J., 662
Thompson, K., T79
Thompson, K. C., M148
Thompson, R., 129
Thomsen, H., 162
Thonney, M. L., 298
Thornton, K., M183
Thornton, L., M23
Tian, C. X., T29
Tibble, S., M236, M237
Timms, L., 111
Tind Sørensen, J., 241
Tirabasso, P., T183
Titgemeyer, E. C., 173, 322, 410, 457, 710, W108
Tjardes, K., 218, 421
Todd, C., 682
Toerien, C. A., 604
Togamura, Y., W115
Toivonen, V., 280
Tomasula, P., 153
Tomaszewski, M., 470
Tomita, G. M., 3
Tomlinson, D., 329, 331
Tompkins, T. A., W23
Tong, A. K. W., W28
Tong, E., T186
Tonini, B., M93
Tooker, M. E., 556, 644
Toone, C. D., 714
Toplis, P., W151
Toro, M. A., 251
Torrallardona, D., M243, M244, M85
Torrance, T. S., 688
Torrealba, S., M39
Torres, D., 53
Torres, E., W16
Torres, J., T56, T57
Torrey, S., T8
Toscano, M., 450
Tossenberger, J., T126, W133
Tovar-Luna, I., T88, W85
Town, S., 605
Townsend, W., 667
Tozer, P. R., 596
Trapp, S., 190
Travers, M., 273
Treat, M., M234
Tremblay, G. F., T67
Trenkle, A., M156, M190, W99
Trevisi, E., 238
Tricarico, J. M., M208, W199, W206, W218, W219, W220
Triplett, G., T213
Trottier, N., 690
Trotz-Williams, L., M13
Trout, D. R., 604
Tsengeg, P., 263
Tseveenjav, B., M16
Tsukuda, H., T102
Tsuruta, S., 523, 525, 558, 560, 561
Türk, M., 695
Turnlund, J. R., 403
Twumasi-Afriyie, S., 591
Tyler, P., M146
Tylutki, T., 699
Tyrrell, H., 210

U

Uchida, K., M65
Udayarajan, C., 161
Uetake, K., T5, T6
Undersander, D. J., W76
Ungerfeld, E., M203, T226
Updike, M., 679, T115
Upreti, P., 365, 367, M46
Ure, A. L., T196
Urschel, K. L., 266
Ursino, M., 253, 254
Usry, J. L., 67, 289, 291, 292
Utterback, P., 492
Uwayjan, M. G., W250
Uwiera, R., 266

V

Vachon, M., T94
Vahmani, P., T245, W215
Valadares Filho, S. C., M180
Valdannini, A., 104
Valdes, E., T242
Valdez, F., M209
Valencia, D. G., 395, 489, T109, T133
Valencia, E., W221
Valentine, E., M45
Valizadeh, R., 342, 343, 626
Valliant, A. E., T9
Valois, P., 697
Van Alstine, W., 411
Van Amburgh, M., 439
Van Amburgh, M. E., 601, M192, W105, W124, W125, W229
VanBaale, M., 14, 55, 285, 372, 504, 662, M140
VanBaale, M. J., 373, 502
van Barneveld, R., 616
VanCise, A., 654
VandeHaar, M., 47, 212, 675, 701
VandeHaar, M. J., 277, M74
van den Berg, C., 34
Van den Maagdenberg, K., 389
Vander Pol, K., 215
Vander Voort, G., W141
van der Werf, J. H. J., 139
VanDevender, K. W., M58, M59
Van Doormaal, B., 645, 646
Van Dorp, T. E., M74
Vanhatalo, A., 280
Van Hekken, D. L., M49
Van Herk, F. H., M169
van Heugten, E., W131, W132
Vanimisetti, H. B., 132
Van Kirk, E., M186
Van Koevering, M., 166, 167, 168, 169
Vann, C., M61
Vann, R. C., T169
VanRaden, P., 651

VanRaden, P. M., 556, 644, M20
Van Saun, R., 473
van Straalen, W. M., 319
Van Tassell, C., T39
Van Tassell, C. P., 248, 381
VanWieringen, L., 465
Vanzant, E., M176
Varel, V. H., W173
Varga, G. A., 120, 211, M210, M211
Vasconcelos, J. L. M., T150, T151
Vasquez, C., M130
Vassallo, M. J., T212
Vazquez-Anon, M., 566, 614, M171, W239
Vazquez-Garcia, E., M216
Vazquez-Landaverde, P., T56, T57
Veenema, V. R., 117
Veerkamp, R., 652
Velayudhan, B., W103
Velazquez, G., M86, M87, T56, T57
Velleman, S., W111
Vendramini, J., T164, T165
Vendramini, J. M. B., T77
Verano, J., T177
VerBoort, W., M62
Verdugo, J. L., T247
Verdugo, R., W62
Vergara-Zambrano, M. E., M246
Verkerk, G., 633
Vernooy, E., 236, M71
Verstegen, W. A., 508
Vessie, G., T204
Vestergaard, M., 274
Vetharaniam, I., 56
Vevoda, A. C., W165
Vibart, R., 102
Vicario, D., 28, 29
Vicente, B., 489
Viergutz, T., M115
Vignola, M., 63
Villagómez-Cortés, J., M152
Villanueva, B., 355
Villaquiran, M., T84, T86, T88
Villarreal, E. L., M185, T114
Vimercati, C., T93
Vinsky, M., 605
Viotto, W., W40, W41
Virgilio, R. J., M177
Vitali, A. A., 571
Vizcarra, J., 414
Vlaeminck, B., 621, 622
Voelker Linton, J. A., 437
Vogel, G., 163, 164, 165, 166, 167, 168, 169, 170, 171, 172
Vogel, R., W164, W200
Voigt, J., T198
Volden, H., T229
von Keyserlingk, M., 441
von Keyserlingk, M. A. G., 635, 697, 698
Vonnahme, K., 300, W155
Vonnahme, K. A., 301, 336, M70
Voorsluys, T., M231
Vossoughi, J., W15
Vukasinovic, N., 135, T26

W

Wade, K. M., 475
Wagner, B., 310
Wagner, J., 610
Waldron, M. R., 235, T20
Walker, D. K., 173, 457
Walker, E., 584
Walker, M., 236
Walker, P., M173
Walker, R. D., M238, W6, W7, W8
Wall, E. H., T147
Wall, R., 681
Wallace, J. M., 608
Wallace, M., 548
Wallace, R., 330, 510
Wallace, R. J., 509
Walsh, K., W73
Walsh, M., 190, T120
Walsh, R., 78
Walsh, R. B., 76
Walters, A., T27
Walters, E. M., W20
Walters, J. L., W79
Walton, J., 78
Wang, H. C., W109
Wang, J., W48
Wang, J. R., T140
Wang, J. Y., W167
Wang, K. N., T140
Wang, L., W48
Wang, S., 713
Wang, T., 369, 572
Wang, Y., 318, 549, M167, M168, M169, T170, T177, W224
Wang, Y.-M., W88
Wang, Z., 612, M30, M31, T23, T24, T144
Wang, Z. R., T139
Ward, D., W178
Ward, J. D., W238, W246
Ward, M. A., 336, M70
Ward, P., W23
Ware, J., 94
Ware, J. V., 114, 670, M64
Ware, R., M159
Warntjes, J., T176
Warntjes, J. L., 625
Warren, J., M188
Wasdin, J., T35
Washburn, S., 632
Washburn, S. P., 50
Watanabe, K., 202, 388, 545, 550
Waterman, R., T71
Waters, D., 658
Waters, W., M2
Watson, A., M8
Watson, M., W177
Wattiaux, M., 348, M149
Watts, B., 584
Wax, L. E., W20, W21
Weary, D., 374, 441
Weary, D. M., 697
Webb, A., 426
Webb, A. S., 457
Webb, Jr., K., 57
Webb, Jr., K. E., 185, 601, W154, W243
Webel, D., 232
Webel, D. M., 688
Webel, S. K., 410
Weber, P. S. D., 17
Weber, W. J., 199, T155, T187
Weber Nielsen, M., 47, 675
Weber Nielsen, M. S., 274
Webster, J., 633
Wechsler, F. E., M73
Wegenhoft, M., 358
Weigel, C., M149
Weigel, K., 208, 407, 408
Weigel, K. A., 250, 251
Weiler, H. A., T97
Weisbjerg, M. R., T223
Weiss, W. P., 49
Welch, R. M., M99
Weld, J., 464
Welle, M. L., 75, T149
Wellen, A., 605
Weller, J., 648
Welles, E. G., T128
Wellnitz, O., M11
Wells, S., 309
Wells, C. A., M57
Wells, J. E., W173
Welsh, C., T30
Welsh, Jr., T., 495, 496, 497
Welsh, Jr., T. H., 452
Wen-Hua, L., 134
Wenz, J., 237
Werchola, G., 270
Werkhoven, A., 466, 467
Werkhoven, J., 466, 467
Werner, D., M78
Wertz-Lutz, A. E., W99
Weselake, R. J., 283
West, J., 557, M142
Wetteman, R. P., M56
Wettemann, R. P., 406
Whang, K. Y., M108, M109, M110
Wheeler, M. B., W101, W102
Whetsell, M. S., M164
Whisnant, C., M135, W159
Whisnant, C. S., 335, T152
White, C. H., 32
White, F. J., 406
White, M., M69, W98, W100
White, R., 121
White, W., M155
Whitehouse, N., 81, 121, 428
Whitelaw, C., 273
Whiting, T., W10
Whitley, N. C., M222
Whitlow, L. S., 117
Whitman, K., 237
Whittier, J. C., 264
Wick, M., 679, T115
Wickens, C., 640
Widowski, T., M230, T8
Widowski, T. M., 532
Widyaratne, G. P., 692
Wiggans, G., 559, M23
Wilde, D., 222, 334
Wildeus, S., T92
Wildman, C., M142
Wilkes, C. O., T3, W1, W4, W5
Wilkins, E., M71
Wilkinson, J., 511, T206
Willard, S., 305, 415, M132, M133, T154
Willard, S. T., 304, T169
Willett, L. B., 49
Williams, B., W121
Williams, C., 124
Williams, C. B., M32
Williams, C. C., M76, W238, W246
Williams, E., 415, M132, M133
Williams, E. L., 48
Williams, G., 71, 72
Williams, J., 216, T23
Williams, J. L., T146
Williams, L. M., 272
Wilson, C. S., W1, W4
Wilson, D. E., T32
Wilson, L., T120
Wilson, S. C., T3
Wilson, S. W., W253
Wiltbank, M., 407, 408
Wiltbank, M. C., 79, T157, T158, T159, W166
Wilton, J., T31
Winter, E., 413
Wiseman, J., 145
Wisker, E., 623
Wittenberg, K., 424
Wohlt, J. E., T7
Wolf, F., 441
Wolffram, S., 500
Wolfgang, D., 473, T18
Wolford, H., M65
Wolinski, J., 694
Wollny, C., 592
Wolter, B., W10
Wolter, B. F., M80, T174, W12, W13
Wong, E. A., 185, W154
Wood, B., M146
Wood, C., M146
Wood, D. L., 197
Woods, L. C., W143
Woods, S. A., 453
Woodward, B. W., 463
Woodward, J., M12
Woodworth, J., 64
Woodworth, J. C., 320, 321
Woolliams, J., 145
Worku, M., M4, M5, M10, T19, W17, W18
Wray, B. C., W20
Wray-Cahen, D., W15
Wright, C., 218, 421
Wright, J., M23
Wright, J. R., M20, T38
Wright, L., M71
Wu, G., 186, M77, W156
Wu, R., W48
Wu, S. H., T155
Wu, Y.-M., W88, W183
Wu, Z., 327, M117
Wulff, F., M223
Wuthironarith, V., 503

X

Xi, G., M69, W100
Xiao, X., 185, W154
Xi-Chuan, Z., 134
Xu, J., W48
Xu, Q., W107
Xu, Z., W224

Y

Yabuuchi, Y., M65
Yadav, K. R., 337
Yager, A., T120
Yamaguchi, T., 202, 388, 545, 550
Yamane, T., 148
Yang, C. B., T139
Yang, H., M102, T132
Yang, H. Y., M90
Yang, H.-E., W194
Yang, J., 681
Yang, M. C., 35, 38
Yang, Q., T135
Yang, S., M144
Yang, S. H., T148

Yang, W. Z., T209, T220
Yang, X., 270, T29
Yanke, L. J., M168, M169
Yano, H., M127, M134, T148, W153
Yarar, H., W251
Yasan, P., W213
Yasuda, K., M99
Yasue, H., M234
Ye, A., T53
Ye, H.-W., W88
Ye, J.-A., W88
Ye, X.-W., W88
Yee, J., T55
Yeo, J. M., W236, W240
Yi, G., 566
Yi, G. F., 290
Yildiz, G., M217
Yin, Y. L., 404, M101, T139, T140
Ying, Y., 703, T221
Yip, B., 106
Yocum, P. M., M83
Yon, B., W46
Yondon, Z., M16
Yoo, J. S., M104, W152
Yook, E., M24
Yoon, I., 330, W149, W200, W203
Yost, J., 477
Youngquist, R., W164
Youssef, E., W34
Yu, J., T24
Yu, P., T236, W223
Yu, S. H., W51
Yu, Z., T225
Yun, J. H., 180
Yun, M. S., 187, W150
Yun, Y., W48

Z

Zabielski, R., 694
Zacharias, N., T188
Zadoks, R., 40
Zadoks, R .N., 2
Zahedifar, M., T244, W216
Zaleski, H. M., T112
Zanella, A., 539, 639, 640
Zanella, A. J., 532
Zanella, E., W34
Zanghi, B., M77, W37, W38
Zanton, G. I., 448, T212
Zare, A., 341
Zare Shahne, A., 345
Zeitoun, M., M113
Zeng, S. S., T84
Zenke, T., 695
Zhai, S. W., T202
Zhang, H., W48
Zhang, J., M240, W146
Zhang, R., 339
Zhang, W., 141, 143
Zhang, Y., W115
Zhang, Z., 146, 463
Zhao, B., 681
Zhao, F. Q., 283, W123
Zhao, F.-Q., T147
Zhao, J., 57, 185
Zhao, X., 3, 5, 339
Zhen-Fang, W., 134
Zheng, J., M8
Zheng, Y.-C., T147
Zhu, C. L., T137
Zhu, M. J., 392, 684
Zhu, S., T241
Ziabakhsh, M., W213
Ziegler, B., M193, T175
Ziegler, D., M193, T173, T175
Zijlstra, R., 690
Zijlstra, R. T., 188, 692
Zimmerman, E., M154
Zimprich, B., T136
Zinn, R., M159, M160
Zinn, S., W103
Zinner, R. A., 521
Zirkle, E. W., T7
Zuluaga, J., 72
Zuniga, A., M213
Zurbrigg, K., 630
Zwald, N., 407, 408

Subject index for Volume 83, Supplement 1 (Joint Annual Meeting Abstracts, 2005[1])

A

AA Digestibility, 491, M112
Abnormal Spermatozoa, T27
Absorption, W153
Accelerated, 124
Accelerated Lambing, 519
Acclimation, 14
Accuracy, M22
Acid, W151
Acid Acetic, W62
Acid Protease, W137
Acid-Base, T121
Acid-Base Balance, T242
Acid-Base Status, 326, T12
Acidosis, 103, 432, 433
Across Breed Evaluation, 652
Activin, M134
Acute Phase Response, 434, M12, W24, W25
Adaptation, M151
Additives, M150
Additivity, T140
ADG, 217
Adipocyte, 175, M121, W109
Adipose Tissue, 275
β-Adrenergic Receptor, 680, W105
Adsf/Resistin, M121
Aerobic Stability, 117
Aflatoxin, 382
Age, M70, W15
Age at Calving, W176
Age at Slaughter, 391
Aggression, 532
Aging, 658, M77
Agrado, 614
Agrado®, M171
AI, 73
Air Quality, M149, T76
Albumin, 52, 597
Albuterol, 412, 449, 528
Alfalfa, 711, T76
Alfalfa Hay, 429, 430, 431, M216, W194, W228
Alfalfa Silage, 120, T72, T73, T74, W228
Allele Effect, T40
Alpaca, T166
ALS, W104
Alternative Feedstuffs, 526
Alternatives, 63
Amino Acid, 119, 289, 401, 488, M77, T73, T120, T125, T126, W108, W229, W236, W240, W243
Amino Acid Digestibility, T138
Amino Acid Metabolism, 266
Amino Acid Restrictions, T128
Ammonia, 422, 709, M146
Ammonia-N, M104
AMP-Activated Protein Kinase, 392
Anabolic Implants, W31
Analysis, 188, 535
Analytical Method, 377
Anesthesia, W15
Anestrus, 78
Animal Handling, 477
Animal Identification, 244, 498
Animal Model, 131, 556
Animal Protein, 180
Animal Science Majors, T250
Animal Welfare, 634, 638, 639, M179, T5
Animals, T252
Anionic Salt, M202
Anthelmintic, 50, M223
Antibiotic Alternative, W150
Antibiotics, 543, M102, T174
Antibodies, 617, M172
Antimicrobial Resistance, 577
Antioxidant, 529, 568
Antioxidant Activity, 632
Antioxidants, 614, 657, M171, W36
Apoptosis, 53, 594, T27
Apparent Digestibility, M216
Aquaculture, 476
Aqueous Phase, M40
Arginine Biosynthesis, 266
Arroz Con Leche, W47
Arthritis, 240
Artificial Insemination, 479, M245, M246, M248, T92
Artificial Rumen, W225
Aseasonality, 298
Association Analysis, 357
Associative Effects, 525
Atherosclerosis, W130
Atriplex Cancsens, W69
Attitudes, 639
Automatic Milk Feeding, 241
Autoxidation, W36

B

Bacillus Anthracis, 153
Bacillus subtilis, M104
Bacterial Count, W65
Bacterial Removal, 43
Bactocount, 151
Bali Cattle, M33
Balouchi Sheep, T240, W69
Barcode, 471
Barley, T98, T136, T170
Barley Grain, 45, T240
Barley Straw, W250
Bayesian, 141, M152
Bayesian Approach, 143
Bayesian Inference, M17
Bedding, M145
Beef, 245, 261, 311, 394, 425, 479, 618, M148, M182, T103, T110, T113, T116, T117, T164, T165, W32, W77, W175
Beef Bulls, 174
Beef Calves, M186
Beef Carcass, 164, 165, T102, W62
Beef Cattle, 18, 20, 22, 220, 459, 462, 497, 542, 610, 611, 612, 616, 619, M28, M29, M30, M31, M34, M66, M161, M164, M181, M183, M184, M185, T5, T6, T31, T32, T35, T144, W99
Beef Cattle Feeding Behavior, T2
Beef Cow, 69, 264, 406, M187, W163
Beef Growth, 163
Beef Heifer, 170, 171, 172, 253, 254, 262, T168, T171
Beef Industry, 244
Beef Steers, 166, 167, 221, 609, W71
Beef System, 246
Beet Pulp, W211, W213
Beetal Goat, 337
Behavior, 359, 374, 449, 533, 541, 542, T5, T6, T8, W2
Behaviour, 637, T9

[1]Please note: the numbers following key words in this index refer to abstract numbers, not page numbers.

Benchmarking, 475
Bermudagrass, 258, 514, W78
Best Available Techniques, 423
Best Prediction, 651
Beta-Agonist, 278, 345
Between-Founder Heterogeneity, 251
Beverage, W42
Bifidobacteria, 147
Bifidobacterium, W41
Binary Response, 142, 143, 144
Binding Protein, W102
Bioavailability, 480
Bioethics, 578
Biohydrogenation, 112, 624, T205, T225, T234, T235, W189
Bioinformatics, W121
Biological Antioxidants, 567
Biological Control, 227
Biomass and Cocoons Production, M139
Biomass and Vermicompost, M138
Bio-Mos, M227
Biophotonics, 415
Biosecurity, W168, W169, W170
Biotin Status, 49
Biotransformation, 380, W138
Birth Weight, M18, M71, T90, W113
Bitterness, W54
Blood, 330, M240
Blood Cells, 291
Blood Characteristic, W152
Blood Cholesterol, W51
Blood Glucose, M211
Blood Metabolites, 265, T203
Blood Parameters, M114, M217
Bluetooth, 469, 470
Boar, 293, 531, 532, M250
Boar Taint, T105
Body Composition, 174, 191, 295, 445, M192, M235, T32, T88, W27, W85
Body Condition, W85
Body Condition Score, 98, 323, 407
Body Reserves, M237
Body Temperature, 285, 505
Body Weight, 133, T86
Boer, 584
Bone, 413, 688, W144
Bood Components, M91
Bos indicus, 71, 72, W34
Botanicals, 443
Bovine, 5, 236, 358, 388, M4, M5, M10, M127, M134, M135, T24, T148, W165, W249
Bovine Adipose Tissues, M35
Bovine Clones, T29
Bovine Corpus Luteum, 192
Bovine Endometrial Cells, W157
Bovine Head, W63
Bovine Respiratory Disease, 544
Bovine Somatotropin, 198
Bovine Total Leukocyte (BOTL) Microarray, M11
Branched-Chain Amino Acids, 390
Brazil, T207
Breed, 425, 582
Breed Evaluation, 140
Breed Type, 636
Breeding Objective, W114
Breeding Programme, 356
Breeding Season, 303
Breeding Values, 649
Brine Concentration, 150
Brine Temperature, 150
Broccoli, 337
Broiler, 689, M90, T7, T123, T124, W135, W152
Broiler Chicks, T141
Broilers and Laying Hens, 696
Brown Midrib, 667
Brush, W82
bST, 596, W119, W121
BTA6, 648
Buffer Block, 512
Buffering, 367
Bulk Tank Milk, T17, T18
Bull Calves, M177
Bulls, T169, W170
Butter, W52
Buttermilk, T55, W49
BVD, 125
B-Vitamin, 8, 428
Byproduct, 715, M239, T246
Byproduct Feed, 215

C

Cadmium, 485
Calcium Hydroxide, T248
Calcium Lactate, 159
Calf, 114, 121, 124, 258, 439, 440, 441, 443, 444, 445, 473, 541, 548, 673, 718, M13, M56, M64, M191, M192, M194, M195, M207, W96
Calf Disease, W176
Calf Mortality, W162
Calf Performance, 241
Calf Sex Ratio, W162
Calf Starter Molasses, T175
Callipyge, 677, W91, W93
Calpain, 177
Calpastatin, 389
Calving Traits, 652
Canadian Dairy Breeds, 645
Cancer, 658
Canine, 569, 655, 656, W35, W37, W38
Canola, T190
Canola Meal, 487
Canola Seed, 110
Capillary Electrophoresis, M53
Carbadox, 59
Carbohydrase Inhibitors, W195
Carbohydrate Fractions, W222
Carbohydrates, M72
Carcass, 169, 171, 268, 490, M73, M250, T34
Carcass Composition, 453, T104
Carcass Merit, T144
Carcass Quality, 272, 395, 524, T109
Carcass Sheep, M218
Carcass Traits, 167, 452, 463, M220, T31, W84
Carcass Yield, T129
L-Carnitine, 64, 320, 321
β-Carotene, 104, 118
Carotenoids, 657
Ca-Salts of Fatty Acids, T191
Casein, 37, M53, T51
Cashmere Goats, M16
Castration, T111, W33
Cation-Anion Balance, 332
Cattle, 109, 173, 193, 248, 263, 274, 359, 379, 393, 496, 501, 636, M6, M77, M131, M146, M156, M157, M159, M165, M168, M169, M174, M190, M199, M206, T153, T231, W28, W33, W73, W168, W179
Cattle Behavior, 635, M151
Cattle Feedlot, 422
CCDS, 263
Cecal Fermentation, M83
Cefadroxil, W38
Cell Culture, M115
Cell Growth, 283
Cellular Signaling, W110
Cellulolytic Bacteria, W187
Cellulolytic Enzyme, 696
Central Performance Test, T87
Cereal, 693, M243, T134
Certified Sales, M56
Changes During Ripening, 156
Channel Catfish, W106
Cheddar Cheese, 364
Cheese, 159, 366, 367, 576, M49, T46
Cheese Proteolysis, M41
Cheese Ripening, 156, 365, M46
Cheese Yield, 369, T84

Chemical Composition, 671
Chemokine, M8
Chemotaxis, M8
Chewing Activity, 666
Chickens, M96
Chickpeas, W249
Chicks, T162
Cholesterol, M221
Cholesterol Removal, T60, T61, T62
Cholesterol-Loaded-Cyclodextrin, T91
Choline, 10, M212
Chondroitin, 240
Chromium, 65, 329, M209, M219
CIDR, 70, 75, 77, T150, T152, T153, W174
cis-9, trans-11 Conjugated Linoleic Acid, 279
Citrulline, 271
Citrus Pulp, T207
CLA, 105, 112, 162, 281, 282, 285, 340, 393, 575, M68, M181, M182, T107, T113, T186, W32, W130
Cleanliness, W182
Climate, M113, M148
Clinical, T20
Clinical Mastitis, 234, 351
Clinical Signs, 237
CLPG1 Transcript, W91
CNCPS, T231
Coal Combustion Products, M59
Cold Resistant, 147
Cold Stress, T172
Colloidal Calcium Phosphate, M54
Colonization, 510
Colostrum, M196, W95, W96
Compensatory Growth, M178, T127
Complex Vertebral Malformation, T39
Composition, 154, 172, M37, T46
Compost, 501
Composting, M58
Computer Model, M164
Concentrate, M178
Concentrate Feed, M167
Concentration Gradient, 642
Conception, 407, 408
Conception Rate, 79, 560, 561, M125, T157, T158, W164
Condensed Tannin, M167
Conjugated Linoleic Acid, 108, 280, 283, 284, 319, 620, M96, M183, T85, T193, T196, W92, W123
Connectedness, 129, 130
Conservation, 589, 703
Conservation Method, T221
Consultant, 353
Continuing Education, 474
Continuous Culture, 513
Continuous Culture Fermentation, W189
Continuous Milking, 598, 599, W117
Continuous Recording, T228
Control, 125
Controlled-Release Nitrogen, W192
Conversion Equations, 349
Cooked Temperature, 396
Cooling, W167
Copper, 57, 333, T238
Copper Oxide, 522
Corn, 215, 704, M160, T82, T96, T136, T210, T232, W220
Corn Distillers, 216
Corn Distillers Grains, 436, 447
Corn Distillers' Solubles, T137
Corn Endosperm, 703
Corn Gluten Feed, M173
Corn Grain, 717, W224
Corn Grain Endosperm Type, T221
Corn Grazing, T213
Corn Oil, 255
Corn Silage, 538, 664, 665, M177, W68
Corn Silage Harvest Methods, T212
Corn Source, W240
Corn Stalks, 218
Corn Stover Silage, T66
Corn Straw, 718
Corn Texture, T207
Corpus Luteum, 308
Cortisol, 295, 495, W4
Cortisol and Insulin, 270
Cost Analysis, 498
Cottage Cheese, M38
Cottonseed, 628, 629, 707
Cottonseed Oil, 342, 343
Coturnix coturnix japonica, T129, T130
Cow, 300, 308, 428, 684, M116, M119, M120, M121, M123, M188, M212, W161
Cow Comfort, 372
Cow Cooling, 504
COX-2, M10
CR, T159
Cream, T61
Cream Cheese, 570, 571, 572, M43
CRESTAR, T151
Crop Residues, 591
Cross Validation, 21
Crossbred, 114, M64
Crossbred Lambs, M222
Crossbreeding, 92, 93, 94, 95, 96, 97, 519, M67, W34
Crossbreeding Cattle, T43
Crosslinked β-CD, T60, T61, T62
Cross-Linkings, T54
Crude Protein, 89, T134, W226, W251
Cryopreservation, T91
Cryo-Scanning Electron Microscopy, 574, M44
Cryptosporidium Parvum, M13
Crystals, 159
Cull Chickpeas, T247, T249
Culling, 203, 204, 205, 206, 209, 242, 316, T38
Cultured Butter, W52
Curvilinear, 27
Cyclicity, M128
β-Cyclodextrin, W51
Cytokine, 175, 545, M135

D

Dairy, 205, 209, 318, 352, 353, 466, 467, 471, 472, 475, 514, 536, M61, M64, T13, T15, T190, T200, T220, W169, W170, W234, W235
Dairy Bulls, T40
Dairy Calves, M71, M76, M193, T173, T175, W177
Dairy Cattle, 92, 128, 198, 247, 252, 373, 375, 417, 502, 507, 555, 557, 667, M58, M60, T41, T154, T214, T218, T228, T230
Dairy Characteristics, T42
Dairy Cow, 8, 10, 46, 70, 73, 74, 77, 80, 82, 83, 88, 90, 103, 110, 195, 196, 200, 284, 285, 315, 322, 327, 328, 363, 418, 419, 427, 433, 500, 512, 515, 537, 621, 622, 625, 626, 627, 630, 631, 643, 650, 698, 705, 708, M12, M63, M114, M117, M118, M128, M141, M201, M208, M214, T10, T11, T12, T14, T21, T143, T158, T181, T185, T189, T199, T202, T215, T219, T222, T229, W160, W180, W181, W199, W201, W205, W215, W233, W236, W240, W245, W252
Dairy Ewes, W118
Dairy Goat, 340, 342, 343, 595, T245, W209
Dairy Heifer, 113, 447, 448, 670
Dairy Management, T213
2001 Dairy NRC, 701
Dairy Nutrition, T213
Dairy Products, 229, 230
Dairy Sheep, 517, W198
Daisy^{II} Incubator, 663
Dam Parity, T174
Data Sampling, 500
Date Fiber, W39
Daughter Pregnancy Rate, M21
Days Open, 90, 97, 416, 559
Days to First Breeding, 416
DCAD, M202
DDGS, 490
Deactivation, 189
Decorin, W111
Deep Litter, 191
Degradability, 387, 704, 718, 719, T68, T210, W226, W246, W249
Degradable Intake Protein, 218

Degradation, T223
Dehorning, 634
Dehydrated Alfalfa, W90
Deiodinase, T146
Delayed Sealing, 664
Deposition, W141
Δ9-Desaturase, M183
Desaturase, 279, 280
Detoxification, 380
Dewormer, W30
DEXA, W142
DHI, M62
Diagnostic Tests, M13
Diagnostics, 476
Diaminopimelic Acid, 565
Diarrhea, 682
Diet, 104, 105, 488
Diet Adaptation, 19
Diet Composition, T125
Diet Modification, 527
Diet Preference, M243, M244
Dietary Cation-Anion Difference, 325, 326
Dietary Fiber, 564
Dietary Lipid, T188
Dietary NDF, 438
Dietary Protein, 325, T127
Dietary Variation, 89
Differentiation, 679, M69
Digesta, 563, 685
Digestibility, 297, 384, 386, 429, 686, 692, M156, M158, T239, T244, T247, W193
Digestible Energy, T94
Digestion, 259, M159, M160, M215, T71, T167, T209, W184, W199
Digestion Kinetics, 437
Digestion/Milk, T181
Digestive Enzyme, 185
Digestive Functions, M90
Direct Fed Microbial, 232, 314, M137, M168, M169
Direct-Fed Microbial Product, W60
Disappearance, W214
Disaster Management, 592
Disease, 242, 243, W119, W120
Disease Detection, T2
Disease Resistant, 589
Diseases and Production, 26
Disposal, 316
Disposition, 358
Distiller's Co-Products, M156
Distillers Dried Grains with Solubles, T182
Distillers Grains, 46, 215, 219, 421, T214
Distiller's Grains with Solubles, 454
Diurnal Variation, 265, T203
DLK1, W93
DNA, T28
DNA Diagnostics, T16
DNA Synthesis, M115
Docosahexaenoic Acid, 569, 656, T193, T194
Dog, 136, 562, 563, 564, 565, 566
Dominance Rank, W3
Double Ovulation, W179
Dried Distillers Grains, 217
Dried Skim Milk, 179
Dried Yeast, 382
Drinking, T8
Drinking Behavior, T222
Drinking Water, W135
Dry Lot, 372
Dry Matter, T227, W68, W214
Dry Matter and Fiber, W196, W197
Dry Matter Intake, 220, 221, 324, M210
Dry Matter Yield, T69
Dry Period, 122, 127, 593
Dry Period Length, W117, W120
Dry Sieving, T233
Dry-Cow, W74
Drying, W49
Dry-Rolled Corn, W58
DSC of Lipids, T59
Dual Energy X-Ray Absorptiometry, 653
Duck, T95
Duodenal, 428
DXA, T104
Dynamic Model, M39
Dystocia, 94, 96

E

E. coli, T19
E. coli K88 Challenge, 63
E. coli O157, W58
E. coli O157:H7, 579, W59, W61
E. coli Phytase, 689
Ear Tags, T161
Early Lactation, 55, 319, 662, T219
Early Postpartum, W166
Early Weaned Pigs, 63
Earthworms, M138
East Friesian, 517
Eastern Gamagrass, W78
Economic, 499
Economic Selection Index, M16
Economics, 479, 581, M153
ECP, W166
Education, 352, 459, 464, 640, T252
Effect on Humans, 482
Effectiveness, 288
Efficiency, 210, 409
Egg, 7, T132
Egg Quality, M91, M104
Egg Yolk Antibodies, W57
Egg Yolk Immunoglobulin, 148
Eicosapentaenoic Acid, W157
Eisenia Earthworms, M139
Electrical Conductivity, 363, T163
Electronic Identification, 498, T160
Electronic Nose, T105
Electronic Sow Feeders, W7
Electrophoresis, W225
ELISA, T35
Embryo, 410, M122, W148, W160
Embryo Quality, 73
Embryo Survival, M128
Embryo Transfer, M130, T241
Emissions, 422, 527, M157
Emulsions, T53
Encapsulated, M191, W248
Encapsulation, 567
Endocrinology, 274
Endogenous, W232
Endogenous Urinary Excretion, T126
Endometrial Thickness, 79
Endophyte, 262
Endosperm, 702
Endotoxin, M7
Energy, 710, M231, T167, W86, W140
Energy Density, 20
Energy Expenditure, 409, 506
Energy Metabolism, W145
Energy Partitioning, 612
Energy Supplementation, M161
Enhancement, 396
Enhancer Activity, W91
Ensiling, T211
Enteric Emissions, 424
Enterococcus faecium, M107
Environment, 483, 533, M146, M232
Environmental Correlation, 556
Environmental Protection, 464
Environmental Sampling, 310
Enviropig™, M240, W146, W147
Enzyme, 34, 515, 691, 692, 693, 694, 695, M83, T65, T66, T134, W135, W136, W137
EPD, 460
Epidemiology, 223
Epididymal Fat, 681

Epitope Mapping, 35
Equestrian, 51
Equine, M82
Equine Sciences, 51
Escape Velocity, 452
Escherichia coli, 314, 379
Escherichia coli O157:H7, W60
ESF, W8
ESL, 44
Essential Fatty Acids, W36
Essential Oil, 377, 510, M88, M90, W191, W227
17β-Estradiol, 302
Estradiol, 306, T157, T159
Estradiol-17β, W105
Estrogen, 301
Estrous Cycle, 304, M7
Estrous Synchronization, M123
Estrus, 239, M119, M131, M133, T156, T157
Estrus Cycle, 78, 192
Estrus Synchronization, 69, 113, W172
ET, T150
Eugenol, W190
Evaluation, 439
Evaluation Bias, 350
Evaporation, 508
Evaporative Cooling, 502, 503, M140
Evening Primrose Oil, W51
Ewe, 305, 341, 713, T183, T241
Excretion, 688, W132
Exit Velocity, 495
Exogenous Enzyme, W194, W199
Exogenous Proteolytic Enzyme, W228
Exopolysaccharides, M44, M47, M48, W54
Expansion, W169
Expression Profile, M35
Extended Lactation, 101
Extended Shelf Life, 42
Extension, 474, 586
Extensively-Fermented Silage, W231
Extracellular Proteolysis, 275
Extreme Case Problem, 143
Extruded Soybean Meal, T142

F

F. graminearum, T170
Facilities, 477, 504, 505
Factor Analysis, T163
Faculty Performance, 347
Failure of Passive Transfer, 548
FAMACHA, W18
Farm Technology, M41
Farrowing Pen, M230, W9
Farrowing Performance, W7
Fasting Model, T21
Fat, 626, T184, T187, W163, W167, W239
Fat Acid, T197
Fat Digestion, 623
Fat Globule Membrane, 602
Fat Growth, 520
Fat Percentage, T204
Fatigue, W10
Fat-Soluble Vitamins, 9
Fatty Acid, 255, 260, 338, 393, 455, 456, 620, 621, 628, M221, T106, T111, T113, T183, T190, W79, W122
Fatty Acid Composition, 162
Fatty Acid Metabolism, 320
Fatty Acid Profiles, T239
Fecal Pat, W59
Fecal Pooling, 311
Fecal Quality, 565
Fecal Shedding, 309
Feces, M110
Feed, 377, W137, W217
Feed Antibiotic, M233
Feed Barrier, 697
Feed Carbohydrate, 700
Feed Components, W186
Feed Conversion, W252
Feed Conversion Rate, M217
Feed Delivery Time, M179
Feed Efficiency, 462, 612, M180, M188, W28, W203
Feed Fermentation, 491
Feed Form, 493
Feed Intake, 437, M27, M32, M98, M148, M237, W86
Feed Intake and Feed Efficiency, M30
Feed Intake Variation, T219
Feed Particle Size, 435
Feed Refusals, T176
Feed Requirements, 269
Feed Restriction, 450, M231, M232, T145, W21
Feed Soaking, 491
Feedbunk Management, T176
Feeder Cattle, 478
Feeding, M239
Feeding Behavior, 441, 697, 698, T176, T218
Feeding Frequency, 297, 698, M139, T171
Feeding Level, 687
Feeding Management, 465
Feeding Rate, M194
Feeding Systems, T87
Feedlot, 263, 458, 614, T164, W30
Feedlot Cattle, 463, T172
Feedlot Performance, M185
Feedlot Steers, W25
Feedstuff, M239, T237
Female Calves, T114
Fenbendazole, W30
Fermentation, 19, M166, T75, T224, T226, W140, W206, W221
Fermented, W43
Fermented Soy Protein, T131
Fermented Soybean Meal, 179
Fermentration, 181
Fertility, 15, 22, 93, 142, 201, 559, 560, M21
Fescue Toxicosis, W19, W20, W21
Fetal Growth, 607, M70, W155, W156
Fetal Skeletal Muscle, 684
Fetus, 608
Fiber, 529, M231, W217
Fiber Characteristics, M16
Fiber Digestibility, 564
Fiber Source, 327, T243
Fibroblast Growth Factor, 674
Fibrolytic Enzyme, 496, 514, 619, 668, W193, W196, W197, W198
Field Study, M208
Financial, M61
Fine Mapping, 361
Fingerprinting, T115
Finishing, 426
Finishing Diet, 257, 260, W75
Finishing Pig, M107, T135
Finishing Steers, 272
Firmness, 570, 573
Fish Meal, 486
Fish Oil, 486, T191, T192, T195
Fitness, 582
Flavor, 32, M85, T4
Flavor Partitioning, 158
Flax, 609
Flaxseed, 301, T135, W22
Flaxseed/Flaxseed Oil, T179, T180, T181
Fleece Quality, W254
Flight Speed, 635
Flow Cytometry, T28, W65
Flow Rate, M63
Fluid Milk, 40, 41, 42
Fluorescent, T58
Flushing, 341
Fly Ash, M59
Folic Acid, 11, W44
Follicle, 406
Follicle Size, 306, 307
Food, 383
Food Deprivation, T129, T130
Food Guide Pyramid, 231

Food Intake, W212
Food Safety, 378, 578, 581
Foodborne Pathogens, 577, 579
Foot and Leg Health, 653
Foot Lesions, T14
Forage, 258, 384, T71, T81, T94, T169, T183, W77, W79
Forage Analysis, 385, 534
Forage Conservation, W232
Forage Fiber, T179
Forage Intake Level, M176
Forage Level, T195
Forage Particle Size, T220
Forage Production, W70
Forage Quality, 538, W76
Forage Soybean, 671
Forage Supplementation, 217
Forage to Concentrate Ratio, T217
Forage-Finished Beef, T112
Fortification, M38
Fortified, W44
Fractional Synthesis Rates, 404
Free Fatty Acids, 629
Free Stall, 631
Free Stall Design, T218
Freestall, W2
Fresh Alfalfa, T225, T234, T235
Fresh Kashar, M37
FSH, 414
Full-Length cDNA, T24
Fumonisin B1, M1
Functional Foods, 230
Functional Gene, T24
Functional Genomics, 12, 13, 14, 16, 17
Functional Longevity, 645, 646
Functional Yogurt, 148
Functionality, 155, 160, 369
Fungi, T70
Fusarium, M241, M242
Fusobacterium necrophorum, 617
Fuzzy Logic, 22, 142

G

G × E Interaction, 30
Gain, 50
Galactomannan Oligasaccharides, M101
β-Galactosidase, T64
Gammulin®, M76
Garlic, M89, W17
Gas Emissions, 423
Gas Production, 387, 590, T71, T224, T237, W213, W214
Gas Production Technique, W222
Gastrointestinal Nematodes, 223, 226
Gastrointestinal Tract, W232, W242
Gaussian, 25
GC/MS, 32
GC/O, 158
Gelation, M51
Gender, 286, W15, W147
Gene Expression, 16, 48, 141, 193, 598, 599, M129, T36, W92, W144, W145, W154
Gene Mapping, T146
General Pedigree Analysis, T26
Generalized Prior, 144
Genes, M4
Genetic, 176, 268, 462
Genetic Algorithm, 139
Genetic Conservation, T30
Genetic Correlation, 25, M32, T37
Genetic Effects, 525
Genetic Evaluation, 24, 350, T45
Genetic Improvement, 12, 354
Genetic Parameters, 30, 652, M26, M28, M33, T33, W113, W254
Genetic Progress, 649
Genetic Trend, 131
Genetically Modified, T100
Genetics, 208, W13
Genome, M234
Genomic Organization, 134
Genomics, 15, 37, 459
Genotype, 99, 101, 201, T128, W27, W210
Genotype × Environment, 98, 100
Genotyping, 355
Gestation, 305, M226, W128
GFP-PepT1, W37
GH, M9
GH Receptor, W106
Ghrelin, W99, W159
Gilt, 293
Gilt Castration, 395
Glucagon, 48
Glucagon-Like Peptide-1, M200
Gluconeogenesis, 48
Gluconic Acid, M95
Glucosamine, 240
Glucose, 343, 401, 683, 708, M136, T199, T229, W126, W143, W164, W242
Glucose Metabolism, T198
Glucose Tansporter, T147
Glucose Tolerance, M209, T189
Glucose Transport, 283
Glutamate, W233
Glutamate Transport, W161
Glutamine, M12, W234, W235
Glycerol, 317, 415
Glycolysis, 392
Glyphosate, W70
GMO, 383
Gnathostomosis, W16
GnRH, 75, 414, M125, T158
Goat Milk, 338, T84
Goat Sperm, T91
Goat, 226, 583, 584, 585, 586, 588, T86, T87, T88, T90, T93, T238, W17, W18, W78, W80, W82, W83, W84, W85, W86, W90
Goat's Milk, W42
Graded Sales, 478
Graduation Rate, T250
Grain, 18, 188
Grass, 106, T208
Grass Maturity, 666
Grass Meal, 529
Grass Silage, 120
Grass vs. Legume, 437
Grass-Finished Beef, M57
Grass-Silage, T75
Grazing, 102, 590, 670, M181, W31, W80, W83, W89, W115, W136
Grazing Behavior, 253
Grazing Brahman, M175
Grazing Cattle, M213
Group Housing, 241
Group Size, M249
Group Structure, W7
Grow Performance, W88
Grower Concentrates, T173
Growing Boars, M94
Growing Pigs, 290, T97, T139, T140
Growth, 67, 124, 166, 168, 170, 182, 289, 290, 292, 444, 445, 521, 525, 528, 541, 675, 710, M34, M66, M73, M76, M80, M96, M220, T120, T175, W103, W108, W251
Growth Factor Expression, M69
Growth Hormone, 91, 199, W99
Growth Hormone Receptor, W107
Growth Implants, M189
Growth Performance, 61, M67, M86, M88, M108, M161, M177, M218, T131, T249, W22
Growth Rate, M174
Growth Traits, M33
Gums, 86
Gut, M106
Gut Function, 181
Gut Mucosal Morphology, 271

H

Habitat, W16
Haemonchus contortus, 522

Hair Sheep, M220, M229, T243, T246
Hair Whorls, 654
Handling, T121, W13
Hanwoo, T34, T111
Haplotype Sharing TDT, T25
Harsh Season, W87
Hay, 259, T81
Haylage, W68
Health, 230, 609, 641, 661, T2
Heart Rate, 409, 506, W14
Heartgirth, T86
Heat, T56
Heat Abatement, 505
Heat Increment, 506
Heat Production, M176
Heat Shock, M143
Heat Stress, 14, 126, 198, 199, 294, 372, 373, 503, 504, 507, 508, 557, 558, 600, M60, M130, M140, M142, M230, T152, T154, T242, W20, W21, W205
Heat Tolerance, 558, 616
Heat Treatment, W40
Heavy Use Area, M59
Heifer, 47, 299, 335, 426, 439, 457, 553, 596, 601, 675, M179, W31, W124, W125
Heifer Breedings, M21
Heifer Growth, M65
Helicobacter pylori, 148
Herb Products, M91
Herbage Allocation, 253
Herbal Extracts, M86, M87
Herbicide, W82
Herbivory, W72
Herbs, M223
Herd by Sire Interaction, 556
Herd Life, 203
Herd Life Opportunity, M24
Herd Management, 470
Heritability, 132, 133, 136, 360, 561, 654, M14, M22, M27, T37
Heterogeneous Variance Adjustment, M23
Heterosis, 92, 140, 145
Hierarchical Model, 141
High Moisture Sorghum, W188
High Oil Corn, T114
High Oil Corn Grain, M185
Hispanic Cheese, 228, M50
Hispanic-Style, M49
Histology, W124
History, 6
HMTBA, W239
Hock Lesion, 419
Holo-Analysis, 62
Holstein, 168, 169, 560, 561, M132, M133
Holstein Cattle, 647
Hominy, 115
Homocysteine, T119
Homogenization, 34
Hormones, 54, 438, M137
Horse, M84
Housing, 494
HPLC, M50
Huacaya, T166
Humid Tropics, M175
Hunger, 450
Hybrid Striped Bass, M72
Hybrid Vigor, 95
Hydrogen Sulfide, 421
Hydrogenatable Fatty Acids, 106
Hydrolyase, W154
3-Hydroxy-Isovaleric Acid, 49
Hygiene Scores, W182
Hypocholesterolemic Effect, T63
Hypothalamus, M129

I

Iberian Pigs, 395, T109
IC Thermometer, M120
ID, 468
Identification, 243
IGF, 273, 413, W104
IGF Binding Proteins, 276
IGF-1, 184
IGFBP, 413, W101
IGFBP-2 and -3, W103
IGFBP-3, W98, W100
IGFBP-5, W98
IGF-I, 679, W35, W94, W95, W101, W102, W105, W106
IGF-II, 389
IgG, W177
IgM, W177
IL-18, 202
Ileal Digesta, 562
Ileal Digestibility and Morphology, 489
Image Analysis, 435, T33, T101, T103
Image Gallery, T251
Immobilization, W47
Immune, 114, 411, 533, 547, 552
Immune Function, 632, T184
Immune Response, M6, M101
Immune System, M105
Immunity, 17, 546, 551, 657
Immunization, 3
Immuno-Endocrine, 202
Immunoglobulin, M227, T52
Immunoglobulin G, M196
Immunology, 224
Implant, 173
Imprinted QTL, 139
Imprinting, 135
In Situ, T77
In situ Disappearance, T79, W197
In Vitro, W195, W226, W229
In Vitro Degradation, 668, W194
In vitro Digestibility, W196
In Vitro Disappearance, T79
In Vitro Fermentation, M167
In Vitro Gas Production, W216
In Vitro Incubations, W191
Inbreeding, 27, 356, 645, M84, T26
Inbreeding Depression, 249, 250, 251
Indigenous Livestock, 589
Indigenous Sheep Breed, W113
Indigenous Women, W254
Indigofera Hirsuta, T69
Individual Bacteria Count, 151
Indonesia, 592
Induced Lactation, 596
Induced Ovulation, 307
Industry Segmentation, 354
Inevitable Fecal Phosphorus Excretion, 328
Information, M55
Information Management, 244
Infrared, 544, W28
Infrared Spectroscopy, T46
Infrared Thermography, 633
Ingestive Behavior, T1
Injection Site, 635
Injuries, 374, 630
Innate, M8
Innate Immunity, 549
Inoculant, 665, T211
Inoculation, W218
In-Ovo Administration, M79
Instrumental Color, T117
Insulin, 683, M200, M209, M210, T89, T229
Insulin Challenge, T189
Insulin Resistance, T21
Insulin Sensitivity, 678, W97, W110, W112
Insulin-Like Growth Factor, M28
Insulin-Like Growth Factor-1, 323
Intake, 386, 387, 669, T167, W72, W115
Interaction, M34
Interactive Visualization, 475
Interbull, 349, 350
Internal Herd Growth, 206

International Evaluation, 349, 351
Internet, 585, M60
Intervention, 378
Intestinal Microbiota, M233
Intestinal Morphology, M87
Intestinal Sucrase-Isomaltase, 267
Intestine, 402, 550, M1, W38, W96
Intramuscular Fat, 296
Intravaginal, 76
Intravaginal Progesterone Insert, M118
Intra-Vaginal Temperature, M142
Inulin, M99
Invasion-Associated Genes, 157
Iodothyronine Deiodinase, 197
Ion-Exchange, 36
Ionophore, T205
IR Milk Analyzer Calibration, 31
Iron, M99
Isoenzymes, 36
Isoflavone, T64
Isoleucine, 291
Isotope, T199
Isovaleric Acid, 49
IVDMD, T69
IVF, M135

J

Japanese Black, T33, T101
Jersey, W26
Jog, M81
Johne's Disease, 16, 157, 309, 360
Juniper, M145

K

Karakul, M19
Karyology, T29
Kashar, 371
Ketone Body, 317
Ketosis, 195, M197
Kid Muscle, 338
Kidding Rate, T90
Kidney, T147
Kinetics, T200, T223, T224, T235
Kjeldahl, W192
Kordian Sheep, 131
Kosher Whey, W53
Koumiss, W48

L

L6 Myogenic Cells, W100
Labor, 473
Laboratory, 386
Laboratory Silo, T75
Lacaune, 517
Lactate Dehydrogenase, 234
Lactating Cow, 45, M62, T198
Lactating Dairy Cow, 329, 503, 628
Lactating Ewes, 339
Lactating Sows, M98
Lactation, 52, 58, 66, 68, 201, 210, 212, 331, 524, M65, M188, M229, M230, T187, T206, W1, W4, W179, W203
Lactation Curve, 650, M152
Lactation Curve Shape, 29
Lactation Feed Intake, M238, W6
Lactation Length, 644
Lactation Persistency, 54
Lactobacilli, W48
Lactobacillus, M105, M169
Lactobacillus helveticus, W55
Lactoferrin, 121
β-Lactoglobulin, 35, 38, M19, T54
Lactoperoxidase, 36
Lactose Synthesis, W126
Lamb, 520, 521, M215, M221, T239, T248
Lamb Survival, M224
Lameness, 233, 374, T15
Large Round Bales, T81
Latent Factors, 29
Lauric Acid, T185
Laying Hen, 493
Lead, 485, W64
Leaking Cows, 200
Learning, 346, T251
Lecithin, T53, W189
Lentils, T139
Leptin, 47, 52, 277, 295, 597, M6, M75, T143, T145, T155
Leptin Receptor, M75, T148
Leptin Receptor Gene, T31
Leptin SNP, 463
Leucine, T200, W108, W242
Leukocytes, M3, W158
LH, 299, 306, 414, M119
Lifetime Net Income, M24
Lifetime Profit Traits (LPI), 647
Lignin, 384
Limit of Detection, T58
Linear Splines, 23
Linkage Disequilibrium, T22
Linseed, M182
Lipid, M192, T238
Lipid Metabolism, M68, M187
Lipid Supplementation, M186
Lipogenesis, 405, M72
Lipolysis, 31
Lipopolysaccharide (LPS), M11
Liquid Feeding, 695, T137
Liquid Whey, W250
Litter Size, 145, M17, M245, M247
Litter Traits, 68
Liver, 320, M74, W93
Liver Abscess, 615, M171
Liver Functionality, 238
Liver Metabolism, 213
Livestock, 243
Livestock Development, 592
Locust Bean Gum, 571
Loin Growth, 520
Longevity, 136, 208, 644
Low Fat Cheese, 371
Low Heritability Traits, 555
Low-Phytate, 530
Low-Quality Forages, 663
LPS, M9
LPS Endotoxin, 434
Lutein, 567
Luteolysis, 109
Lyophilized Bacteria, W187
Lysine, 81, 82, 286, 293, M80, W238, W241
L-Lysine HCl, 292

M

M Cells, 550
Macro- & Micro-Minerals, T80
Macro-Minerals and Oxalates, M82
Magnesium, W153
Maintenance, M66
Maize, 591, W73
Male Reproduction, W20
Maltase-Glucoamylase, 267
Mammary, 274, 600, 601, W101, W124, W125
Mammary Function, 54
Mammary Gland, 5, 82, 197, 381, 597, M11, M187, M247, T147, W126, W128
Mammary Gland Biology, 659
Mammary Gland Development, 277
Mammary Growth, 47
Mammary Involution, 594
Management, 209, 417, 473, 543, 659, M61, M155

Manganese, 335, M207
Mannanoligosaccharide, 59, 60, 61, 62, M3, M102, M103
Mannheimia haemolytica, 553
Manure, M149, M150, W173
Manure Excretion, W253
Manure Sampling, 467
MAPK Signaling, 278
Mapping, T23
Marbling, 268, 618, T102
Marbling Scores, T103
Marker-Assisted Selection, 13, 139
Markers, 221, 669
Marketing, M57
Markov Chain, T41
Mash Conditioning Temperature, T124
Mass Balance, M147
Mastitis, 1, 2, 3, 5, 111, 235, 236, 237, 247, 249, 363, 543, M145, T17, T19, T20, T163, W180
Mastitis Testing, T16
Maternal Behavior, W9
Maternal Nutrient Restriction, 684
Maternal Nutrition, M236
Maternal Undernutrition, 606, W155, W156
Mathematical Modelling, 56
Mathematical Models, M32
Maturity, W224
Maturity at Harvesting, T82
Maturity Rate, M20
Measuring Devices, M71
Measurment Techniques, T230
Meat, 7, 178, 580, T110, T196
Meat and Bone Meal, T95
Meat Color, T102
Meat Goats, 582, T92
Meat Quality, 391, M236, T108, T114
Mechanistic Model, M197, M205
Media, T17
Melengestrol Acetate, 553, 680, T92
Melt Analysis, 149
Melting, M43
Membrane Technology, 152
Mepron, 84, W237
Mercury, 485
Metabolic Profile Survey, M201
Metabolic Response, W234
Metabolism, 8, 10, 85, 212, 321, 712, M199
Metabolites, M186
Metabolizable Energy, T168
Metabolizable Protein, 80, 81, M158, W241
Metaproterenol, 345
Methane, T230, W183, W191
Methane and Nitrogen, 509
Methane Production, 612
Methionine, 81, 287, 566, 710, 713, T72, W238, W241
Methionine Analog, 85
Methionine Source, 288
Method, W32
MFGM, T55
Mice, W92
Micelle, T51
Michaelis-Menten, M165
Microarray, 176, 195, 196, 318, 600, M5, M74, T36, W121
Microbes, M203
Microbial Contamination, W62
Microbial Efficiency, 513, 702
Microbial Markers, 88
Microbial N, W230
Microbial Protein Synthesis, 211
Microbial Synthesis, W231
Microbiology, W180
Microbiota, W139
Microencapsulation, T63, T64
Microfiltration, 43, 44, 153
Microflora, M95
Microstructure, 570
Microwave, 42
Microwave Processing, 716
Milk, 153, 443, 497, 499, 602, 603, M212, T52, T56, T57, T196, W43, W64, W79, W122, W129, W184
Milk and Cheese Making, 156
Milk Coagulation, T47
Milk Composition, 339, T245
Milk Conductivity, T3
Milk Energy, 315
Milk Fat, 281, 282, T192
Milk Fat Crystallization, T59
Milk Fat Depression, 196, 284, 319, 436, 627, T178
Milk Fat Yield, T182
Milk Fatty Acid Composition, T186
Milk Fatty Acids, 627, T178
Milk Feeding, 441
Milk Flow, W116
Milk Fractions, W158
Milk Lactoperoxidase, M131
Milk Leakage, W181
Milk Losses, 200
Milk Oestradiol, M116
Milk Persistence, T177
Milk Production, 110, 127, 373, 625, 705, M214, T177, T217, T221, W3, W118, W166, W202, W207
Milk Progesterone, M116
Milk Promotion, 228
Milk Protein, 37, W236
Milk Protein Concentration, 648
Milk Protein Regulation, 604
Milk Quality, 151, 154, T18, W65, W66, W182
Milk Replacer, 121, 444, 675, M65, M193, M194, M195
Milk Response, 89
Milk Secretion Rate, 595
Milk Selenium, M228
Milk Somatic Cell, 351
Milk Test Day, 28
Milk Type, W46
Milk Urea Nitrogen, T202
Milk Yield, 84, 102, 119, 518, 661, M20, T155, T188, W200, W237
Milk-Fed Calf, M2
Milking Center, M154
Milking Frequency, 55, 56, 594, 662, M155, W116, W117
Milking Interval, 595
Mineral Bioavailability, 403
Mineral Composition, M203, T67
Mineral Disappearance, T79
Mineral Metabolism, 403
Mineral Toxicity, 482
Minerals, 235, 480, 481, 484, T110, W129
Missouri, 584
Mitochondria, 613
Mixed Model, 146
Mixture Enzyme, 446
Model, 211, 699, W171
Model Selection, 408
Modeling, 212
Modeling Nutrient Supply, T236
Modelling, M144
Modified Dry Period, 660
Mohair, T89
Moisture and Temperature, 664
Moisture Analyzer, T227
Molasses, 322, 665
Molybdenum, 522
Monensin, 511, T203, T204, T206
Monoclonal Antibody, 38
Monoclonal Anti-Myostatin Antibody, M79
Monounsaturated Fatty Acid, T101
Morbidity, W176
Mortality, 94
Mortality Disposal, 501
Mouse, M68
Moxidectin, W18
Mozzarella, 161, 370
Mozzarella Cheese, M45
mRNA, 185, W95
mRNA Expression, W158
mtDNA, 613
Mucuna Pruriens, T83
Multitrait Model, M25
MUN, 90, M62

Muscle, 275, 389, W111
Muscle Atrophy, 674
Muscle Fiber, 91, 391, T108
Muscle Growth, 177
Muscle Hypertrophy, 677
Muscle Regulatory Factor, 677
Mycobacterium avium Subsp. *paratuberculosis*, 157, 310, 311
Mycotoxin, 117, 380, M241, M242, T70, W138
Myoblast, 388, 679
Myofiber, 175
Myogenic Cells, M115
Myosin, T115
Myostatin, 388, M79, M127, W98, W111

N

N Balance, 715, W247
N Fractions, T77
N Recycling, W247
N Volatilization, M147
n-3 Polyunsaturated Fatty Acid, M97
N-acetyl-b-D-glucosaminidase, 234
$NaHCO_3$, M98
NAIS, 469
National Identfication, 128
National Research Council, 481, 482
Native Range, 264
Natural Mineral Liquid Complex, W152
N-Carbamylglutamate, 186
NDF, 429, 430, 431, T208, T223, T243
NDF Digestibility, 430, 431, 537, 538, T74, W76
NDFD, 534
Near Infra-Red Reflectance Spectroscopy, 488
Necrotic Enteritis, T123
NEFA, 65, W26, W164
Nellore, 220, M124, M126, T151
Nellore Cattle, M180
Nematode, 224
Nematophagous Fungi, 227
Neonatal Immunology, M2
Neonate, 683
Net Energy, 182, 183
Net Feed Efficiency, 452, M31, W29
New Intramammary Infection, 118
Niacin, M214
NIR, 534
NIRS, 385, W76
Nitric Oxide, 544
Nitrogen, 87, 711, 712, M149, M157
Nitrogen Balance, 566
Nitrogen Capture, 116
Nitrogen Factions, W211
Nitrogen Metabolism, W227
Nitrogen Recycling, 714
Nitrogen Retention, M109
Nitrogen to Phosphorus Ratio, M147
Non-Cycling, 76
Nonesterified Fatty Acids, M210
Nonfiber Carbohydrate, 626
Non-Protein Nitrogen, 672
Non-Ruminant, 549
Norepinephrine, W165
North Mexico, 590, W87, W89
NRC and DVE/OEB, T236
NRC Evaluation, 269
NSAIDS, M10
Nuclear Transfer, M36
Nucleoside Transport, W161
Nucleotide, 673, M92
Nursery, 312, M93
Nursery Pigs, 64, 179, 286, 487
Nursing Behavior, W9
Nursing Management, M78
Nutrient Balances, W252
Nutrient Deposition, 183
Nutrient Digestibility, W212
Nutrient Digestibility and Excretion, 447
Nutrient Flux, 713
Nutrient Management, 465, 466, 467
Nutrient Restriction, 336, 607
Nutrient Supply, 213
Nutrients, 210, 604
Nutrition, 9, 56, 100, 176, 402, 465, 515, 608, 641, 658, M74, T1, W125, W131, W217
Nutritional Evaluation, 526
Nutritional Models, 700
Nutritive Quality, T76
Nutritive Value, T66, T83, T237, W223
Nylon Bags, T68

O

Obesity, 229, 273, M100, W142
Objective Fiber Measurements, T166
Objective Variables, W67
Ob-R, T148
Ochratoxicosis, 189
Odd and Branched Chain Fatty Acids, 622
Odor, 421, 540, M144, M150
Off-Flavor, 261
Offspring Quality, 606
Oil Level, 256
Oilseeds, 339
Oleic Acid, 624
Oligosaccharides, 603
Omasal Flow, 83
Omasum, 88
Omega-3 Fatty Acids, 410, T191
Omega-3 Long-Chain Fatty Acids, W97, W112
Omega-3 Polyunsaturated Fatty Acids, 678
OmniGen-AF, 318, 549, T177
Once Daily Feeding, 442
Once Daily Milking, W118
Open Field, 539
Optaflexx, 163, 164, 165
Optical Sensor, T47
Optigen® 1200, W192
Oral Swab, W59
Organ Weights, T122
Organic, 330
Organic Acids, M46, M50, M93, M251
Organic Burial, M58
Organic Residues, W221
Organic Selenium, M208
Organic Zinc, 60, M103
Osmolytes, 616
Osteoarthritis, 569
Outcomes, 237
Outreach, 352
Ovarian Function, W167
Ovary, 15, 406
Oven Dry, T227
Ovsynch, T149, W174
Ovulation, 308
Ovulation Rate, 79, 341, 361
Oxidative Stress, 53, W209
Oxygen Consumption, 610

P

P Excretion, 418
Pain Management, 634
Palatability of Forages, W81
Palmitic Acid, 625, T59, T188
Pancreatic and Hepatic Fractional Protein Synthesis Rates, 270
Panicume Antidotale, W69
Pantothenic Acid, M100
Paraoxonase, 238
Parasite, 521, M222, W17
Parasite Resistance, 225
Paratuberculosis, 360, T13, T35
Parity, M20, M196
Parlor Reactivity, W5

Parlor Throughput, M155
Particle Size, 493, T1, T212, W212
Parturient Paresis, T67
Parturition, 17
Passage Rate, T231
Pasteurization, W64
Pasture, 101, 104, 116, 255, 256, 261, 324, 576, 669, M165, M178
Pasture Species, T68
Pasture Yield, 420
Pasture-Based, 98, 100
Pasture-Finished Beef, 620
Pathogen, 2, 378, 580, W173
PCR, M5, W139
PCR Assay, T16
Pea Protein, T133
Peas, T97
Pecking Behavior, T7
Pectin, 87
Pedigree, 146
Pelleted Barley, 272
peNDF, T233
Penn State Particle Separator, T233
Pennisetum clandestinum, M82, T80
Peptide Transport, W37
Peptides, W243
Percent Protein, T3
Perchlorate, 381
Perennial Grasses, W74
Performance, 20, 64, 254, 313, 325, 326, 446, 682, M97, M107, M164, M193, M229, M238, T96, T144, T173, T246, W83, W245
Performance and Carcass Traits, T135
Performance of Quality, W67
Perinatal Survival, T40
Peripartum, M213
Periparturient Cow, 317, M197, W200
Periparturient Dairy Cows, 238
Periparturient Period, 321, M202
Persistence, 53
Persistency, 651, T45
Persistency of Lactation, 29
Personality, 637
Petriflim, 236
PGF2α, T150
pH, 432, T48, T194, W204
Phage Clones, W61
Phage Display, W61
Phase-Feeding, 611
Phosphate, M206, T116, T117
Phosphorus, 184, 190, 530, 686, M190, M205, T36, T162, W132, W144, W145, W146
Phosphorus Bioavailability, T97
Phosphorus Digestibility, T140, W133
Phosphorus Excretion, M190
Phosphorus Maintenance Requirement, 328
Phosphorus Requirement, 327, M117
Photoperiod, 312, 593, T143, W178
Physical and Chemical Characteristics, W210
Physical Fill, 537
Physically Effective NDF, T209
Physicochemical Properties, 152
Physiology, 412
Phytase, 685, 687, 688, W131, W132, W134, W151
Phytase Activity, W147
Phytate, 492
Pig, 57, 59, 62, 66, 65, 67, 91, 145, 180, 184, 186, 181, 188, 190, 191, 287, 288, 289, 291, 292, 294, 296, 297, 383, 404, 410, 411, 412, 449, 486, 490, 494, 508, 524, 528, 540, 546, 547, 685, 686, 687, 689, 690, 691, 692, 693, 695, M1, M26, M27, M80, M89, M95, M99, M100, M102, M112, M129, M249, T37, T95, T96, T98, T99, T119, T120, T121, T122, T125, T127, T128, T132, T138, T141, T142, T145, T174, W10, W11, W12, W13, W94, W104, W109, W122, W129, W134, W140, W141, W142
Pig Farm, M144
Pig Growth, T137
Pig Health, M233
Pig Manure, M216
Pig Removal, M249
Pig SLC11A1 Gene, 134
Piglet, 270, 271, 313, 526, 694, M92, M93, M101, M244, T131, W22, W97
Piglet Nutrition, 266
Piglet Performance, M236, T133
Piglet Weaning, M85, M243
Pilot Plant, W56
Pirlimycin, 111
Pistachio Hulls, W215
Pistachio Skins, T245
Placenta, 300
Placentome Development, W155
Plant Extracts, 509, M166, W184, W185, W186
Plant Protein, 180
Plasma, 105
PLS, 28
PMN, M4
Pollution, M205, M232
Polyethylene Glycol and Urea, W188
Polyethylene Terephtalate (PET), W50
Polymorphism, M19, T155
Polynomial Regression, 21
Pomegranate, W216
Pomegranate Seed, T244
Population Density, M138
Porcine Myoblasts, M69
Pork, 396, T106
Pork Quality, T107
Portal-Drained Viscera, 213
Postmortem Muscle, 392
Postpartum, 496, 497
Potassium, W74
Potassium Sorbate, 117
Potassium-Diformate, W150
Poultry, T142
Poultry Manure, M217
Prato Cheese, M40, M42, T48
Preadipocyte, M127, M134
Preantral Survival, 605
Pre-Condition, 216
Preconditioning, M56
Predicting Forage Intake, 219
Prediction, 28, M152
Prediction Error, 129
Predictive Models, T84
Preference, M111
Preference Study, W81
Preference Test, T6
Pregnancy, 302, 336, 608, M70, M132, W171
Pregnancy Loss, 75, T149
Pregnancy Rate, M124
Pregnant Sow, M237
Preharvest Food Safety, 579
Prepartum, 322
Presalting, 150
Preservative, T215
Presynch, T159
Pre-Synchronization, 74, M153
Prevalence, 233
Prevention, 125
Prices, 583
Primiparous, 313
Principal Component Analysis, T178
Prion Genotype, M225
Prion Protein, 357
Prions, 333
Probability Distribution, 516
Probiotic, 364, 546, 551, M106, W24, W25, W40, W47, W48
Process Cheese, 149, 155, 160, 574
Processing, 492, W56
Processing Technique, 45
Product, 499
Production, 95, M225, T13, T20
Production Systems, W84
Productive Life, 208, 644
Productive Performance, T109, T130
Productivity, 132
Professional, 353
Profitability, 204, M154

Progeny Test, 555
Progesterone, 76, 239, 304, 305, 307, M125, T152, T154
Progestin, 69
Program Evaluation, 474
Prolactin, 199, 593, W19, W178
Promoter, W107
Promoter Regulation, W123
Propionate Challenge, 427
Propionibacteria, M136, M137, W202
Propionibacterium freudenreichii, W55
Propionibacterium, W41
Proportional Hazard, M224
Propylene Glycol, M198, M199
Prostaglandin, 109, 531, W157
Proteases, 273
Protected Fat, M198
Protein, 86, 294, 296, 440, 457, 611, 709, 715, T52, T122, T214, W49, W141, W246
Protein and Fat Recovery, M42
Protein Evaluation, 80
Protein Metabolism, 674
Protein Secondary Structures, W223
Protein Sources, M244
Protein Supplement, W71, W244, W250
Protein Synthesis, 186, 390
Protein Turnover, W244
Protein Yield, T44
Proteolysis, 31, 365, 573, M40, T48
Proteolytic Patterns, 364
Proteome, 601
Proteomics, 178
Protozoa, T180, T185, W185
Proximate Composition, 337
Psyllium, M195
Puberty, 299, W178
Pulsatilla Miniplex, M114
Purchase, W168
Purging, 250
Purine, W230

Q

QTL, 140, 225, 298, 358
QTL Mapping, 135, 247, T22, T26
QTL Position, T25
Quality, 40, 394
Quality and Consumer Acceptance, W39
Quality Control, W67
Quantitative Real-Time PCR, 187
Quantitative Trait Loci, T25
Quantitative Trait Loci (QTL), 647, M31
Quantitative Trait Locus, 648
Quantitative Trait Nucleotide, 248
Quarter Horse, M14, M15

R

Rabbit, M73
Race, M14, M15
Ractopamine, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 425, 426, 457, 458, T136
Ractopamine HCl, 67
Radiation Hybrid Map, M234
Random Regression, 252
Random Regression Model, 23
Rangeland, W70
Rapid Assay Probe, T58
Ration, T206
Ration Software, 701
Raw Milk, 39
RDP Source, W245
Reaction Norm, 30
Real-Time PCR, 676, T100
Receiving Rations, M173
Receptor, W102
Records, 417
Recycle, T62
Recycling, M206, T60
Reduced Fat Cheddar Cheese, M44, M47, M48, W54
Reduced Fat Cheese, 158
Reduced-Fat Milk, 32
Refractometry, 548
Refrigerated Storage, 41
Regression Models, W29
Regrouping, W3
Regulation, W66
Relative Net Income, M24
Relative Quantification, 138
Relocation, W1, W4, W5
Remote Sensing, 385
Rennet Coagulation, M54
RepaXOL®, M251
Repeatability, M15, M122, M235
Replacement of Forage, 436
Repose Time, W63
Reproduction, 9, 78, 126, 239, 303, 315, 329, 331, 335, 511, 518, 655, M26, M126, T156, T168, T184, W26, W163, W201
Reproductive Efficiency, 416
Reproductive Events, 559
Reproductive Management, 354
Reproductive Performance, 407, 408, M117, M123, M143
Requirement, 6, 287
Research Partnerships, 1
Residual Coagulant Activity, T49
Residual Feed Intake, 453, M180
Residual Gain, 453
Resistant Starch, M94
Respiration Rate, M141
Rest, T9
Resting, 375
Restrictively-Fermented Silage, W231
Resynch, T149
Resynchronization, 70, 74, M153
Retinol, 118, 618
Reverse Phase-High Performance Liquid Chromatography, M53
Rewarding Teaching, 347
RFI, 613
RFID, 469, 470, 471, 554
Rheology, 161, M51, W45
Rib Composition and Color, 257
Rice, 489
Rice Straw, 668
Rice Straw Silage, T65
Ripollesa Breed, 357, M17, M224
RIS Analysis, T225
Risk, 355
Risk Factors, 233
Risk Managment, 204
Risk of Culling, 646
Rooster, T126, W133
Rosemary, 568, M89
Rota-Coronavirus, 107
Rotavirus, 602, 603
Roughage, 454
Roughage Level, 619
RT-PCR, 138
Rumen, 112, 500, 510, 624, 711, T170, T226, W204, W233, W238, W246
Rumen Bacteria, 621, 622
Rumen Bolus, T160
Rumen Degradation, T208
Rumen Degraded Protein, 119
Rumen Digestion, 448
Rumen Energy and Protein Balance, T202
Rumen Fermentation, 344, 432, W88, W190, W227
Rumen Fermentation Modulators, W195
Rumen Fuid, 682
Rumen Motility, 642
Rumen pH, 666, M166
Rumen Turnover, 448
Rumen-Protected Fat, M184
Rumen-Protected Methionine, 84, W237
Ruminal, W248
Ruminal Acidosis, T242

Ruminal Content, W63
Ruminal Degradability, 671
Ruminal Degradable Protein, 264
Ruminal Digestion Kinetics, 703
Ruminal Dose, 108
Ruminal Fermentation, 115, T180, W183, W185
Ruminal In Sacco Degradation, T179, W186
Ruminal Metabolism, 211
Ruminal pH, 642, 702, M204, T171, T209, T228
Ruminal vs. Reticular pH, T10
Ruminally Degradable Protein, 714
Ruminally Undegradable Protein, 714
Ruminant, 85, 106, 509, 623, 641, T4, T236
RUP, T72
Rural Condition, T42
Ryegrass, T211
Rye-Ryegrass, T77

S

S. griseus, W229
Saanen, W207
Saccharomyces Cervisiae, 344
Safety, 580
Safflower Seed, T186
SAGE, M35
Salmonella, 415, 577, W57, W94
Salt, 366
Saphenous Vein, W165
Saponified Fatty Acids, M184
Saponin, W206
SAS, 146
SCC, T3
Scholarship, 346, 348
Science, T252
Scours, 107
Scrapie, 355, 356
Scrotal Insult, T27
SDS-PAGE, 716, 717
SDS-PAGE Protein, M113
Season, 494
Seasonal and Regional Variability, 162
Selection, 13, 649, T38, T44
Selection Index, 24, W114
Selenium, 330, 336, 483, W148
Selenium Yeast, W149
Sel-Plex, M228
SEM, W224
Semen, 655, M84, M113, M246
Semiarid Region, W89
Sensory, 576, M49
Sensory Analysis, W52
Sensory Characteristics, T112
Sensory Description, M45
Sensory Quality, T106
Serum, 568
Service, 476
Sex, T107
Sex Hormone, T34
Sexual Behavior, 531
Sheep, 129, 130, 132, 133, 224, 225, 226, 227, 281, 298, 301, 303, 304, 344, 518, 519, 585, 588, 591, 606, M18, M219, M226, M227, M228, T94, T244, T247, T249, W80
Sheep and Goat, M223, T85
Sheep Cheese, 575
Sheep Milk, 382, 438
Sheep Production System, W156
Sheep Scrapie, M225
Shelf Life, 39, 40, 41, 43, W50
Short Chain Fatty Acids, T11
Short Days, 661
Short-Chain Fatty Acids, M94
Shredding, 370
Signal Transduction, M9
Silage, 115, 672, 719, T70, W218, W219, W220, W221, W222
Silage Additive, T78, W207
Silymarin, W209
Simulation, 130, 144, 700
Simulation and Growth Models, M175
Simulation Study, M25
Simultaneity, 26
Single Nucleotide Polymorphism, 134, M29, T23
Sistani Cows, T42
Skeletal Growth, M78
Skeletal Muscle, 680, 681
Skeletal Muscle Hypertrophy, 278
Skin Fibroblast Cell Line, M36
Skin Fibroblasts, T29
Skin Perfusion, T89
Slaughter Weight, T108
Slow Release Urea, W248
Small Intestine, 623, 673
Social Hierarchy, W1
Social Issues, 638
Sodium, M204
Sodium Chloride, T49, T116
Sodium Monensin, W187
Sodium Selenite, W149
Soft White Cheese, T49
Soil Nutrients, 420
Soluble AA Fractions, 83
Somatic Cell, 573, M42
Somatic Cell Banking, M36
Somatic Cell Count, 2, 39, 111, 154, 249, 646
Somatic Cell Score, 248
Somatostatin, M29
Somatotroph, 202
Somatotropin, 662, M75, T187, W35, W103
Sorghum, T141, W220
Sorghum By-Product, W219
Sorghum Grain, W210
Sorghum-Sudan, 667
Sorting, T212, T220
Sow, 11, 68, 423, 532, M97, M143, M241, M242, M245, M246, W128
Sow and Piglet, W149
Sow Culling, 523
Sow Disposal, 523
Sow Removal, 523, W6
Sow Welfare, W8
Sow's Gestation, W148
Soy Oil, T204
Soybean, W219
Soybean Hull Meal, 696
Soybean Hulls, 670
Soybean Meal, 86, 492
Soybean Oil, 340, T205, W198
Soybean Protein, T133
Soyhulls, M173, M215
Spatial Memory, 539
Sperm, T28
Spermatozoal Characteristics, 654
Splanchnic, W235
SPME, T56, T57
Spray-Dried Plasma, 57, 58, T123, T124
SSH, W109
Stable Isotope, 401, 403, 405, T198, W143, W153
Stable Isotope Tracers, 404
Stable Tansfection, W100
Stall Surface, 419
Standard Error, 27
Staphylococcus aureus, T93
Starch, 18, 19, 116, 535, 536, 707, M83, M159, T232
Starch Gelatinization, 489
Starter, 440
Statistical Analysis, 138
Stay Green Ranking, T82
Steam Flaking, 717
Steam-Flaked Corn, W58, 454
Steer, 259, 458, 678, M172, M189, W110, W112, W115, W244
Steer Performance, 216
Stillbirths, 96
Stock Horse, M81
Stocker Calves, 461, W33
Stocker Growth Rate, 257, 260, W75
Stocking Density, 697

Stockperson, 637
Stockpiled Tall Fescue, 262
Straw Bedding, 631
Streptococcus, W53
Streptococcus bovis, 187, 617, M172
Stress, 276, 411, 427, 552, 633, T165, W5
Stress Response, 539
Stress-Reproduction, M130
Striped Bass, W143
Strong Ion Difference, M203
Strong Ions, M204
Structural Equation Model, 26
Structure, T51
Struvite, T162
Subacute Rumen Acidosis, T11, T12
Subacute Ruminal Acidosis, 434, 512
Subacute Ruminal Acidosis Induction, 643
Subacute Ruminal Acidosis Prevention, 643
Subclinical, 242
Subclinical Infection, T93
Sugar, 535, 536
Sugar Beet Tops, 719
Sulfate Transporter Gene, 653
Sulfur, 332, T57
Sulfur Amino Acid Metabolism, T119
Sulfur Amino Acids, 290
Sunflower Head, W213
Sunflower Oil, 108
Sunflower Seeds, 615
Supercritical Fuid, T55
Superoxide Dismutase, 192
Supplement, 99, W87
Supplemental Feeding, T240
Supplementation, 256
Supply Chain, 246
SUPROL®, M251
Surface Temperature, 507
Survey, 638, 639, W181
Survival, 25, 97, 203, M122
Sustainability, 93, M57
Sustainable, M222
Swine, 58, 61, 135, 232, 361, 402, 450, 527, 530, 550, 551, 605, 676, M3, M67, M105, M234, M247, M248, T9, T30, T104, W57, W131, W173
Swine Handling, 451, W14
Swine Stress, 451, W14
Swine Transportation, 451
Swiss Cheese, W53, W55
Swiss Type Cheese, W56
Switchgrass, W71
Symbiotic, W42, W43
Synchronization, 71, 72, 77, T153, T156, W174, W175
Synchrotron FTIR, W223
Syneresis, 571, M39, T47
Systems, 245, 699

T

$\gamma\delta$ T Cell, 545
T Cell Subset, 545
T Lymphocyte, M2
T. mycotoxinivorans, 189
Tag Identification, T7
TAI, T151
Tallow, 455, 456
Tannin, 672, W188, W215
Tea Saponin, W88, W183
Teaching, 346, 586, 588, T251
Teaching Excellence, 347
Temperament, 495, 636
Temperature, 554
Temperature-Humidity Index, 557
Temporal Variables, M81
Tenderness, 178, 394, T115, W77
Terbutaline, 345
Termination Code, 316
Terpene, W72
Test Day Model, 651, T45
Test Duration, M30
Test-Day Model, 558
Test-Day Production, 252
Test-Day Records, 650
Texture, 369, 370, 572, M37, M38
Texture Profile Analysis, M47
Thermal Denaturation, 35, 38
Thermodynamics, T226
Thermography, M132, M133, T15
THI, M141
Three-Step, 663
Thymol, W190
Thyroid Hormone, 381, T146
Thyroid Hormone Receptor, 197
Thyroid Hormone Status, 487
Tier-1 Methodology, 424
Tier-2 Methodology, 424
Tie-Stall, 630
Time budget, 375
Time of Feeding, 265, T217, T222
Time of Herbage Allocation, 254
Timed AI, 71, 72
Timed Artificial Insemination, 113
α-Tocopherol, M213
Toll-Like Receptors, 676
Total Mixed Ration, 102
Toxicity, 480, 483, 484
Toxicosis, 481
Trace Minerals, 331, M189
Traceability, T161
Trainability, 656
Training, 472
Trans Fatty Acids, 280, T85, T195
Trans Monoenes, T194
Transcription Factor, W107
Transfer, M55
Transgene, T100
Transgenic, 681
Transition, 282, M200
Transition Cow, 324, 659, M198, W119
Transition Diet, 323
Transition Period, M201, W120
Translation Initiation Factors, 390, 604
Transponder, T160, T161
Transport, W11
Transport Conditions, W12
Transport Losses, W10, W12
Transporter, W154
Trans-Vaccenic Acid, 279
T-RFLP, 232
Triglyceride Synthesis, 405
Tropical, T43
Tropical Legumes, W81
Tropical Pasture, T197
Tropical Weather, M174
Tropically Adapted Breeds, 461
Tropics, T80
True Phosphorus Digestibility, T98, T99, T139
True Protein, W225
Trypanotolerance, W114
Tumor Necrosis Factor-α, 276, M7
Tunnel Ventilation, 502
Turkeys, W136
Twinning, W162
Twinning Rate, T22
Two-Dimensional Gel Eelectrophoresis, T54
Two-Dimensional Spline, 21
Tylosin, 615
Tympanic Temperature, M142, T172
Type Evaluation, M23

U

Ubiquitin, 177
Udder, 708
Udder Health, T18
Udder Traits, W116

Ultra Trace Elements, 484
Ultra-Pasteurization, W50
Ultrasound, 174, M235, M250, T32
Undegradable Intake Protein, M158
Undergraduates, T250
Undernourishment, M226
Urea, 707, T248, W216, W247
Urea N, W251
Urea Space, T88
Urinary Excretion, W133
Urinary PD, W230
Urine, 87
Uterine Crowding, 605
Uterine Temperature, M120
Uterus, 193

V

Vaccenic Acid, T193, T234, W130
Vaccination, 314, 379, W60
Vaccines, 3
Vaginal Secretion, M248
Value Added, 478
Variance Components, M25, T41
Varsity, 51
Vascularity, 300
Vegetable Oil, 455, 456
Verification, T23
Vertical Coordination, 246
Villi Length, 694
Villus Atrophy, M92
Visceral Metabolism, M176
Visceral Organs, 610
Viscoelastic, M39
Viscoelastic Properties, M48
Viscosity, 562, 563
Vitamin, 6, 7, 235
Vitamin B_{12}, 11
Vitamin C, M191
Vitamin E, T241, W160
Vitamins and Minerals, W75
Vitreous, M160
Vitreousness, 704, T210, T232
Volatile Fatty Acid, M168
Voluntary Intake, T4
Voluntary Waiting Period, W172

W

Water, M63, M207
Water Buffalo Milk, M45
Water Intake, M85
Water Quality, 464
Water-Soluble Isoflavone, T63
Weaned Pig, 182, 183, M86, M87, M88, M108, M109, M110
Weaned Piglets, 267
Weaner-Finisher, 547
Weaning, 50, 312, 442, 540, M106, T8, T164, T165, W19
Weaning Age, 552
Weaning Pig, 60, 187, M103, W139
Weaning Piglets, W138
Weaning Stress, 542
Weaning Weight, M18, W27
Weanling Pig, 185, M111, W150
Web Sites, M55
Web-Based Instruction, 640
Welfare, 359, 633, W11
Welfare Assessment, 640
West Virginia, 583
Wet Brewers Grain, T197
Wet Distillers Grains, 705, T215
Wethers, 712
Wheat, 691, T99
Wheat Bran, T65, W211
Wheat Dried Distillers' Grains with Solubles, T138
Wheat Gluten, T132
Wheat Millrun, 690
Wheat Pasture, 461
Wheat Starch, 342
Whey, 366, T19
Whey Proteins, 152, T53
Whole Body Mineral Accretion, 190
Whole Cottonseed, 716
Whole Crop Rice Silage, T78
Whole Milk, 302
Whole-Crop Wheat, W73
Whole-Farm, 466
Wilting, W218
Winter Feeding System, 420
Wintering Beef Cow, 269
Wireless pH System, T10
Worker, 472

X

Xanthine Oxidase, 34
Xylanase, 690, W134

Y

Yeast, M112, W24, W201, W204, W205, W206, W239
Yeast Culture, M108, M109, M110, M111, M136, W200, W202, W203
Yield, 371, M22, M51, T38, W171
Yield and Maturity, T83
Yogurt, W39, W40, W41, W45
Yogurt Sensory Evaluation, W46
Yorkshire, M240, W146
Young Calves, 446
Youth, 477
Yucca schidigera, 513

Z

Zebu, W34
Zero VFA Production, W90
Zilpaterol Clorhidrate, M218
Zinc, 66, M219, T169
Zinc Oxide, W151
Zoonosis, W16

Author Index for Volume 83, Supplement 2 (ASAS Southern Section Abstracts, 2005)

A

Adesogan, A., 131
Adesogan, A. T., 129
Aiken, G. E., 34, 68, 126
Akin, M., 16
Amen, T. S., 103
Anderson, A., 14
Anderson, M., 12
Anderson, R. C., 132
Animut, G., 68
Anschutz, K., 90
Ansin, O., 31, 32
Appeddu, L., 24
Apple, J. K., 91
Arriola, K., 131
Arthington, J. D., 124, 129
Augustin, S., 36

B

Baker, J. F., 116, 130
Baublits, R., 90
Baublits, R. T., 16, 92, 93, 94, 95
Beck, P., 13, 82
Beck, P. A., 30, 83, 123, 127
Beckford, N. C., 23
Bennett, W., 35, 41
Bennett, W. A., 43
Benson, G. A., 84
Berg, E., 65
Berry, I. L., 19, 20
Bertrand, J., 17
Bertrand, J. K., 18
Bidner, T., 102, 117
Blanton, Jr., J., 12
Blouin, D., 14, 102
Blouin, D. C., 101
Blount, A., 28
Bondioli, K., 48
Bottje, W. G., 16
Bowers, S., 46
Bowman, M., 13
Brooks, J. C., 12
Brown, A., 90
Brown, E. G., 132
Brown, M., 24, 115
Brown, M. A., 16
Brown, Jr., A. H., 16, 19, 20, 92, 93, 94, 95
Brown, Jr., H., 115
Browning, Jr., R., 53
Buchanan, D., 100
Bultman, J. K., 49
Burdick, N., 6
Burdick, N. C., 8
Burdine, K., 75, 76
Burke, J., 55, 56, 57, 58
Burke, J. M., 10, 126
Burnside, W., 48
Buroker, H. A., 49
Byars, M., 53
Byrd, J., 12

C

Canal, A., 14
Carroll, J., 39
Carstens, G. E., 120, 132
Carter, B., 39
Carter, J., 28
Cassady, J. P., 22, 84
Chamberlain, E. L., 2
Chandler, J., 14
Chapman, G. W., 120
Charles-Edwards, S. L., 47
Chase, Jr., C. C., 97, 106, 116
Chewning, J., 21
Chikagwa-Malunga, S., 131
Chromiak, A., 35
Ciccioli, N. H., 47
Cleere, J. J., 99
Coblentz, W., 29, 33, 128
Coblentz, W. K., 121
Coffey, K., 33, 128
Coffey, K. P., 121
Coleman, S., 28
Coleman, S. W., 25, 106, 114, 116
Collins, J. R., 49, 50, 52, 54
Craig, T. M., 23
Crockett, J. R., 97
Cuadra, E., 41
Cuadra, E. J., 43
Cuddy, D. L., 88
Cundiff, L. V., 109, 116
Cunningham, S., 108
Cunningham, S. F., 116

D

Daniels, L. B., 125
Davis, G. V., 26
Davis, M. E., 5
Dawson, L. J., 68
Day, J., 38
Dean, D., 131
Dekat, C., 37
DelVecchio, R. P., 45
Denson, A., 46
Denton, N., 78
DeRouen, S., 102, 119
DeRouen, S. M., 101
Detweiler, G., 68
De Vries, A., 124
Diamond, P. L., 23
Dickerson, T., 46
DiMaggio, H., 48
Dodson, R. E., 36, 64, 72
Domingue, J., 117
Dominguez, J., 6
Donnelly, B., 53
Dos Santos, A. R., 9
Dowd, S., 39
Downs, K., 87
Ducoing, A., 108
Durham, G., 67
Dvorak, R. A., 5
Dzakuma, J. M., 23

E

Edrington, T. S., 34
Eega, K. R., 59, 63
Eirin, M., 31, 32
Engelken, T., 42
Estienne, M., 38, 40, 79

F

Falkenberg, S. M., 120
Favero, N. C., 86
Fercherio, C., 89
Ferrell, C. L., 104, 110, 112
Fisher, A., 87
Fisher, A. E., 74
Flores, R., 34, 121, 126
Forbes, D., 113
Forrest, D., 107
Foster, J., 27
Frahm, R., 100
Franke, D., 102, 117, 119
Franke, D. E., 101
Freeman, S. R., 3
Freetly, H. C., 110
Fry, R. S., 5

G

Gadberry, M. S., 26, 80
Gadiyaram, K. M., 60, 63
Galindo-Gonzalez, S., 124
Galipalli, S., 60
Galloway, D. L., 5, 91
Garner, C., 7
Gbur, E. E., 19, 20
Gelaye, S., 67
Gentry, J., 87
Gentry, L., 48
Gentry, Jr., G. T., 45
Gill, C. A., 103
Gill, W., 87
Gill, W. W., 74
Gleghorn, J., 12
Glennon, H. M., 3
Godfrey, R. W., 2, 36, 49, 64, 72
Godke, R., 48
Godke, R. A., 45
Goetsch, A. L., 68, 70, 71
Graves, K., 46
Gregorini, P., 31, 32
Greiner, S. P., 88
Gunter, S., 13, 82
Gunter, S. A., 30, 83, 122, 123, 125, 127
Gutta, V. R., 63

H

Hagerman, A. J., 59
Hall, J. B., 88
Hand, B. C., 130
Hansen, G. R., 97
Harper, A., 38, 40, 79
Harper, F., 78
Harper, R., 41
Hart, K., 78
Hart, S. P., 70
Hensley, E. L., 49
Herring, A., 108
Herring, A. D., 103, 116
Herring, W. O., 16
Hill, G. M., 130
Hollis, T. E., 62
Holloway, J., 107
Holloway, J. W., 114, 116, 120
Horn, G. W., 47
Hoveland, C. S., 67
Hubbell, D., 13
Hubbell, III, D., 33
Hubbell, III, D. S., 125, 127
Huisden, M., 131
Humes, P., 102
Humes, P. E., 45, 101
Hutchison, S, 123
Hutson, A., 81

I

Iqbal, M., 16

J

Jackson, D. J., 61
Jaks, M., 12
Jenkins, T. G., 110, 112
Jennings, J., 33
Jennings, J. A., 26
Jerrell, S., 78
Johns, J., 75, 76
Johnson, B. M., 23
Johnson, J. W., 12
Johnson, R., 43
Johnson, S. R., 3
Johnson, Z., 7, 21, 90, 128
Johnson, Z. B., 16, 19, 20, 68, 70, 92, 93, 94, 95
Jonovich, L., 69

K

Kallu, R. K., 11
Kannan, G., 10, 59, 60, 62, 63
Kaplan, R. M., 10
Kebe, S., 53
Kegley, E. B., 5, 125
Keisler, D., 65
Keisler, D. H., 50
Kellogg, D., 29, 90
Kellogg, D. W., 19, 20
Key, K., 118
Kim, S., 12, 131
Kiser, T., 43
Klauser, C., 35
Knight, J., 40

[1]Please note: the numbers following authors' names in this index refer to abstract numbers, not page numbers.

Knights, M., 73
Kom, S. E., 23
Koohmaraie, M., 111
Korte, S., 39
Kouakou, B., 10, 59
Krehbiel, C. R., 68, 126
Kreider, D., 7, 44, 128
Krueger, N., 131

L

Lalman, D., 81
Lalman, D. L., 47
Lambert, B., 27
Lambert, B. D., 66
Landry, A., 48
Landry, D., 48
Lane, C. D., 74
Lange, K., 58
Larsen, M., 56
Laurenz, J. C., 4, 6, 8, 15
Lemaster, J. W., 61
Lester, T., 44
Lewis, A., 69
Littell, R., 28
Long, C., 107
Long, C. R., 99
Looper, M. L., 34, 121, 126
Luginbuhl, J.-M., 3
Lunt, D., 105, 108, 118
Lusby, K., 13
Lusby, K. S., 47, 125

M

Mapel, S., 69
Maxwell, C. V., 91
McBeth, L. J., 126
McCommon, G. W., 59
McKinley, S., 81
McKinley, W. B., 77
McMillin, K. W., 60, 62, 63
McReynolds, J. L., 132
McSween, V., 72
Mediano, K., 24
Merkel, R. C., 68
Meyer, L., 75, 76
Miller, J., 4, 55, 56, 57, 58
Miller, J. E., 10, 11, 54
Miller, M., 12
Miller, R. K., 120
Montgomery, T. G., 122
Morrison, J., 35
Mosjidis, J., 58
Mosjidis, J. A., 10
Moulton, K., 35
Muir, J., 27
Muir, J. P., 66
Mullinix, Jr., B. G., 130
Murietta, C., 90
Myer, R., 28

N

Neel, J. B., 74
Neher, F., 4
Nelson, M. C., 62
Neuendorff, D., 69
Nihsen, M., 7, 128
Nihsen, M. E., 34
Nisbet, D. J., 132
Nugent, III, R., 21
Nuti, L. C., 23

O

Ogden, R., 29, 33
O'Gorman, C. W., 4
Ojano-Dirain, C., 16
Olcott, D., 58
Olson, T. A., 97, 106
Ososanya, T., 131

P

Palmore, W., 12
Pandya, P., 53
Parish, J. A., 77
Parrish, J., 82
Paschal, J., 105, 117
Pawelek, D., 27, 66
Payton, T., 53
Perkins, T., 89
Petty, T., 78
Phatak, S., 131
Phillips, J. M., 30, 123
Phillips, M., 82
Phillips, W. A., 25, 114, 116
Pohlman, F. W., 92, 93, 94, 95
Poore, M. H., 3, 84
Post, N., 44
Prather, R., 39
Pringle, T. D., 60, 62, 63
Puchala, R., 68, 70, 71
Purvis, H. T., 47

Q

Quinn, M. J., 132

R

Rakes, L. K., 91
Randel, R., 69, 107
Randel, R. D., 98, 99
Ratcliff, M. D., 5, 125
Refi, R., 31, 32
Rekaya, R., 17, 18
Rhein, R., 29
Richeson, J. T., 80
Riley, D., 105, 118
Riley, D. G., 97, 106
Roberts, J. L., 45
Rodts-Palenik, S., 35
Rorie, R., 44
Rose, C., 35
Rosenkrans, C., 29, 33
Rosenkrans, Jr., C., 7, 128
Rosenkrans, Jr., C. F., 34, 121, 126
Rossi, J. E., 85
Rounsavall, J. W., 4
Rouquette, F. M., 99
Rule, D., 90
Ryan, P., 35

S

Saenz, J., 48
Sahlu, T., 68, 70, 71
Sandelin, B. A., 16
Sanders, D., 45
Sanders, J., 105, 108, 118
Sanders, J. O., 103, 116
Sapp, R., 17
Sapp, R. L., 18
Sarradet, L., 48
Sayre, B., 51
Scarbrough, D., 33
Schmidt, S., 46
Schneider, L. L., 1
Schoenian, S., 61
Shackelford, S., 111
Shaeffer, A. D., 3
Shaik, S. A., 10
Shearhart, W., 81
Shockey, J. D., 122, 123
Singh, B. P., 67
Singh-Knights, D., 73
Slay, L. J., 132
Smith, T., 33, 117
Soliz, L. A., 15
Spangler, M., 17
Spangler, M. L., 18
Stahl, C., 65
Stanko, R. L., 1
Stanley, C., 14
Starks, P. J., 25
Stewart, B., 82
Stewart, C. B., 30, 123
Su, J., 24
Sweeney, K., 24

T

Tabler, G. T., 19, 20
Teague, M., 12
Terrill, T., 56, 57, 58
Terrill, T. H., 10, 11, 67
Thomas, M., 90
Thompson, K. C., 19, 20
Thrift, F. A., 96
Thrift, T. A., 96
Tovar-Luna, I., 70, 71
Troxel, T., 82
Troxel, T. R., 26, 80
Tucker, D., 35
Turner, J., 29

U

Ursino, M., 31, 32

V

Vann, R., 46
Vann, R. C., 9, 42, 43
Van Vleck, L. D., 22
Vaughn, C., 41
Vendramini, J. M. B., 86
Vineyard, Z., 12

W

Walker, E., 65
Walker, W., 65
Ward, C., 81
Warrington, B., 107
Warrington, B. G., 116, 120
Webb, G., 37
Weis, A. J., 36, 49, 64, 72
Welsh, Jr., T. H., 6, 15
West, C., 128
Wettemann, R. P., 47, 114
Wheeler, T., 111
Whipple, G., 117
Whitehead, W. F., 67
Whitley, N., 65
Whitley, N. C., 61
Whitworth, N., 41
Whitworth, W. A., 122
Wildeus, S., 50, 52, 54
Willard, S., 35, 46
Willard, S. T., 9, 43
Williams, A., 119
Williams, C., 14
Woerner, D., 12
Wood, C., 79
Woods, S. A., 132
Worley, P., 85
Worthington, J., 89
Wuenschel, J. C., 88
Wyatt, W., 102
Wyatt, W. E., 101

Y

Yazwinski, T., 128

Z

Zhao, J., 79

(ASAS Midwestern Section Abstracts, 2005)

A

Aarnink, A. J. A., 214
Aberle, E., 2
AbuGhazaleh, A., 256
Adams, D., 66, 89
Adams, D. C., 61
Agudelo, J. H., 136, 193
Ali, A., 234
Alkire, D. O., 253, 260
Allan, M. F., 18, 43, 229
Allee, G., 211
Allee, G. L., 144, 148, 149, 150, 159, 161, 162, 165, 201, 207
Allen, J., 280
Allen, P., 137, 181
Allen, R., 142
Al-Seaf, A., 25
Anderson, S., 26
Anderson, V., 2, 257
Anderson, V. L., 110
Anil, L., 3
Anil, S. S., 3

Apple, J. K., 284
Archibeque, S. L., 246
Armstrong, T. A., 111, 112, 113
Augspurger, N. R., 197
Awawdeh, M. S., 252
Ayangbile, G., 75
Azain, M. J., 106

B

Baas, T., 20, 30, 37, 81
Baas, T. J., 85, 88
Baidoo, S., 4, 95
Baidoo, S. K., 3, 232
Baldner, G., 142
Baltenspurger, D., 267
Banta, J. P., 245
Barceló-Coblijn, G., 110
Bartlett, M., 287
Bastiaansen, J., 51
Bates, R., 30, 37
Bates, R. O., 101
Bauer, M. L., 110, 121
Beagle, J., 216
Bearson, S. M. D., 35
Beaulieu, A. D., 166, 194
Bedford, M. R., 194
Beedle, P., 62, 63
Beermann, D., 278
Behlke, E., 286
Behlke, K., 286
Beitz, D. C., 100
Belstra, B. A., 111, 112, 113
Benton, J., 233
Berg, E. P., 254
Berg, P. T., 121
Berger, L., 58, 238
Bertelsen, C. R., 5, 6, 140, 200
Berto, D., 178
Bhosle, R. C., 107
Blake, E. S., 117
Boersma, M. G., 199
Boleman, C. T., 84
Bott, R., 227
Bottje, W. G., 108
Bowman, R., 6
Brethour, J., 287
Brethour, J. R., 55
Bridges, G., 94
Brink, D., 267
Brokman, A. M., 248
Brown, D. C., 188, 189, 190
Brumm, M., 14
Bullinger, J. R., 121
Burger, E. K., 253
Burke, M., 56
Burkey, T., 187
Busby, W. D., 62, 63

C

Cai, W., 33
Cammack, K. M., 17, 40
Carlson, M., 170, 171
Carnagey, K. M., 100
Carney, E. E., 285
Carr, C. C., 253
Carter, S., 141, 185
Casas, E., 16
Casey, D., 33
Casper, D., 75
Cassady, J., 26
Chen, Y. J., 130
Chenoweth, P., 34
Ching, S., 196
Cho, J. H., 130
Christenson, R. K., 28, 230
Christopher, J. A., 55
Christopherson, B., 208
Clark, J. H., 253, 254
Clopton, D., 227
Coalson, J. A., 207
Cobb, M., 217
Cohen, J., 197
Colgan, S., 14
Cook, D. R., 168
Corah, L. R., 62, 63
Corrigan, M., 269
Corrigan, M. E., 255
Courtney, E., 7
Crawford, G. I., 104, 136, 145, 193
Crooks, A., 244
Cuaron, J., 105
Cueno, R., 141
Culbertson, M., 111, 112, 113
Cundiff, L. V., 16, 22, 23
Cupp, A., 227
Cushman, R. A., 18, 229
Cutler, S., 183

D

Daubert, R., 269
Dauch, D., 94
Dave, R. I., 158
Davis, M., 94
Davis, M. E., 108, 188, 189, 190, 284
Day, M., 94
DeDecker, J. M., 5, 200
Deen, J., 3
de Feliz, E. A., 108
de Grau, A., 231
Dekkers, J., 33
Dekkers, J. C. M., 47, 48, 49, 52
Depenbusch, B., 269
Depenbusch, B. D., 255
DeRouchey, J. D., 208
DeRouchey, J. M., 129, 131, 132, 133, 134, 138, 146, 147, 152, 154, 160, 173, 177, 184, 186, 202
DeVuyst, E. A., 121
Dicke, B. D., 249
DiCostanzo, A., 91, 104, 240
Diez-Gonzalez, F., 104, 240
Dikeman, M., 118, 287
Dikeman, M. E., 116, 119, 120
DiLorenzo, N., 104, 240
Dirain, M. S., 189, 190
Dobrinski, I., 221
Doig, W. G., 262
Done, T. A., 12
Doumit, M., 223
Doumit, M. E., 101
Dracheva, S., 51
Drake, H., 7
Driskill, R., 243
Dritz, S., 187
Dritz, S. S., 129, 131, 132, 133, 134, 138, 146, 147, 152, 154, 160, 173, 177, 184, 186, 202, 208, 285
Drouillard, J., 269
Drouillard, J. S., 249, 255
Dumitru, R., 286

E

Earing, K., 235, 239
Echarnier, M., 213
Echternkamp, S., 228
Echternkamp, S. E., 18, 229
Edwards, D. B., 101
Einstein, M., 87
Ekinci, K., 53, 234
Elam, N. A., 262
Elder, R., 192
Ellis, M., 5, 6, 140, 200
Ellis, R., 34
Erickson, G., 67, 97, 103, 218, 251, 258, 267, 271, 281
Erickson, G. E., 249
Ernst, C. W., 101

F

Fastinger, N., 196
Fastinger, N. D., 98
Faulkner, D. B., 60
Fendrick, E., 267
Fent, R. W., 148, 149, 150
Fernandez, D., 105
Fernando, R., 50
Fernando, R. L., 52
Ferrell, A. D., 43
Ferrell, C. L., 246, 247
Fike, K., 94
Fischer, R., 126, 143
Fithian, W., 97, 258
Fluharty, F., 59
Fodor, W. L., 92
Ford, S., 228
Foster, K., 213
Fox, J. T., 255
Frantz, N. Z., 129, 146, 152, 173, 202
Freetly, H. C., 246, 247
Freking, B. A., 28, 46, 230
Freneau, G., 34
Friendship, R., 231
Fu, C. J., 259
Fu, S. X., 148, 149, 150
Fulton, J. E., 47, 48
Funahashi, H., 219

G

Gaines, A. M., 144, 150, 159, 161, 162, 165, 201, 207
Garcia, A. D., 68
Gasser, C., 94
Geisert, B., 281
Gibson, M., 64
Gibson, M. L., 209
Gilbert, H., 49
Gill, R. K., 91
Gnad, D. P., 252
Goetz, D., 4
Golden, J. W., 93, 250
Gonyou, H. W., 10, 11, 12, 13
Goodband, R. D., 129, 131, 132, 133, 134, 138, 146, 147, 152, 154, 160, 173, 177, 184, 186, 202, 208, 285
Goodwin, R. N., 88
Gottlob, R. O., 134, 138, 154, 177
Gourley, G., 205, 206
Grant, A. L., 226
Grapes, L., 44, 169, 176, 183
Gravert, S., 75
Greene, L. W., 264
Greenquist, M., 103, 269
Grobbel, J. P., 116, 119, 120
Groesbeck, C. N., 131, 132, 133, 134, 147, 154, 184, 186, 285
Grum, D., 94
Guay, F., 124

H

Hadenfeldt, T. J., 279
Haidekker, M. A., 117
Halbrook, E. A., 188
Hanford, K. J., 25
Hansen, J., 111, 112, 113
Harborth, K. W., 57
Hargrave, K. M., 106, 279
Harmon, D. L., 262
Hassen, A., 21
Hastad, C. W., 134, 138, 154, 173, 177, 202
Hathaway, M., 163, 164
Hdeib, M. M., 117
Heaton, M., 29
Heaton, M. A., 46
Heber, A. J., 210
Heifetz, E. M., 47, 48
Helman, E., 223
Herring, W., 111, 112, 113
Hildabrand, B., 187
Hill, B., 198
Hill, G. M., 198, 209, 282
Hinds, M., 142
Hinson, R., 212, 215, 216, 217
Hittmeier, L., 44, 176
Hoffman, M. P., 53, 234, 261
Holmes, J., 281
Holt, J., 95
Hong, J. W., 174, 175
Horst, R. L., 100
Hu, Z.-L., 51
Huff-Lonergan, E. J., 100
Hunt, M., 118

I

Iqbal, M., 108
Irvin, K., 114
Irvin, K. M., 115
Isler, B. J., 46

J

Jacobi, S., 102
Jacoboson, B., 256
Jang, W., 51
Jenkins, T. G., 247
Ji, F., 127, 179, 192
Johnson, A., 82
Johnson, B., 187
Johnson, L., 278
Johnson, Z. B., 188, 189, 190, 284
Johnston, L., 95, 128, 163, 164, 191
Jones, C. L., 146, 152, 202
Jones, D., 142
Jones, S., 278
Jones, T., 278

K

Kabaroff, L., 7
Kalscheur, K. F., 68
Kaps, M., 27
Karrow, N., 7
Kelly, D., 215, 216, 217
Kendall, D. C., 148
Keown, J. F., 25
Kephart, K., 86, 276
Kerley, M., 242
Kerley, M. S., 93, 250, 259, 260
Kerr, B. J., 125, 155
Kerry, J. P., 137, 181
Killefer, J., 225
Kim, B. G., 145, 203
Kim, I. H., 130, 174, 175
Kim, J. W., 35
Kim, S. W., 127, 179, 192
Kim, Y., 196
Kirkpatrick, D. L., 209
Klopfenstein, T., 66, 67, 89, 97, 103, 218, 233, 251, 258, 271, 281
Klopfenstein, T. J., 249
Knabe, D. A., 138
Knauer, M., 81
Knight, C., 153
Knight, C. D., 144, 161, 162
Knight, T. J., 100
Knott, J., 163, 164, 180
Knudsen, B., 182
Koch, E., 287
Koch, J. M., 90
Koknaroglu, H., 53, 234, 261
Kolath, W. H., 93, 250
Koohmaraie, M., 38
Kropf, D. H., 119, 120
Kwon, O. S., 130, 174, 175

L

Lachmann, M., 141, 185
Lalman, D. L., 245
Lamberson, W., 27, 277
Lamberson, W. R., 17, 40
Lamothe, M., 233
Lampe, J., 205, 206
Lamptey, A., 56
Landblom, D., 182
Lardy, G. P., 110
Larson, D. L., 121
Larson, J. E., 240
Lawlor, P. G., 137, 181
Lawrence, J. D., 261
Lawrence, K. L., 138
Lawrence, K. R., 131, 132, 134, 147, 154, 184
Lay, Jr., D. C., 90
Le Bellego, L., 151
Lee, K., 92
Lee, W. B., 174, 175
Leeds, T., 114
Leeds, T. D., 115
Lehmkuhler, J., 244
Lehmkuhler, J. W., 248
Lensing, R., 176
Leymaster, K. A., 28, 46, 230
Li, D., 153
Li, J., 153
Li, Y. Z., 10, 11, 12
Lima, G., 178
Lindemann, M. D., 136, 145, 193, 203
Link, J. E., 209, 282
Linville, M. L., 254
Liu, F. Z., 135
Liu, J. X., 237
Llewellyn, D. A., 57
Loe, E., 269
Loe, E. R., 249, 255
Loerch, S., 59
Lorenzen, C. L., 117
Loy, D. D., 261
Loy, J., 50
Luebbe, M., 97, 258
Lutz, T. R., 168
Lynch, P. B., 137, 181

M

Ma, Y. Z., 232
Mabry, J., 81
Mabry, J. W., 85, 88
MacDonald, J., 233
Machaty, Z., 92
Maddock, T. D., 110
Maglott, D., 51
Mahan, D., 196
Mahan, D. C., 98, 204
Marston, T., 287
Marston, T. T., 55, 57
Martinez, E. A., 220
Mateo, C. D., 158
Mateo, R. D., 179, 192
Mathews, L., 235, 239
Matzat, P. D., 111, 112, 113
Maxwell, C. V., 108, 188, 189, 190, 284
McDonald, J., 41, 42
McKeith, F. K., 111, 112, 113
McLeod, K. R., 262
McNamara, D. L., 253, 254
Mesa, H., 17, 40
Mesires, N., 223
Meyer, A. M., 282
Mikesell, R., 86
Miller, B., 242
Miller, D., 87
Miller, M. F., 127
Miller, P., 126, 143
Milliken, G. A., 119, 120
Min, B. J., 130, 174, 175
Miner, J., 286
Miner, J. L., 106, 279
Minton, J., 187, 280
Moeller, S., 114
Moeller, S. J., 115
Moody, D., 224
Moore, J. B., 124, 155
Moore, S., 54
Morillo, T., 141, 185
Moritz, J. S., 90
Morrical, D. G., 234, 243
Morris, S., 89
Moser, D. W., 273
Mote, B., 33, 50, 81
Mousel, M., 45
Mullane, J., 137, 181
Muniz, M., 178
Murphy, E. J., 110
Mussard, M., 94

N

Nagaraja, T. G., 255
Neher, F., 179
Neill, C., 187
Neill, C. R., 131, 132, 147, 184, 186
Nelssen, J. L., 129, 131, 132, 133, 134, 138, 146, 147, 152, 154, 160, 173, 177, 184, 186, 202, 208, 285
Newcom, D., 20
Newman, M. C., 136
Newsome, P., 286
Nguyen, N., 39
Nielsen, M., 41, 42, 278
Nimmo, R. D., 136, 193
Noblet, J., 151
Nonneman, D., 38, 45
Nortey, T., 195

O

Obukowicz, M. G., 106
Odle, J., 111, 112, 113
Oh, S., 30
Ojano-Dirain, C., 108
Olson, D., 182
Olson, K. C., 253, 254
Oresanya, T. F., 166
O'Sullivan, N., 47, 48
Owens, F., 142

P

Pahm, A., 157
Park, J., 141, 185
Parrilla, I., 220
Parsons, C., 153, 156
Passos, A., 178
Patience, J., 195
Patience, J. F., 166, 194
Peddireddi, L., 139
Pedersen, C., 157, 167, 199
Pence, S., 216
Perez, V., 105
Perryman, K. R., 144, 161, 162
Peters, D. N., 158
Peters, J., 196
Peters, J. C., 204
Petersen, G. I., 167
Peterson, B. A., 5, 200
Pettigrew, J., 105
Pfortmiller, R., 30, 37
Pierce, J., 185
Piyasatian, N., 52
Polejaeva, I., 222
Poletto, R., 9
Pomp, D., 36, 43
Potts, J., 36
Prohmann, P. E. F., 262

Q

Qi, G. H., 135
Qu, A., 44, 169

R

Radcliffe, J., 139, 215, 217
Radcliffe, J. S., 210
Radcliffe, S., 212, 216
Rademacher, M., 145
Ragsdale, S., 286
Raines, C. R., 116
Ramos, A., 39
Ratliff, B. W., 144, 150, 159, 161, 162, 165, 201, 207
Reecy, J., 51, 224
Rehberger, T., 188, 189, 190
Rentfrow, G. K., 253, 254
Rice, D., 142
Richert, B., 139, 212, 213, 215, 216, 217
Richert, B. T., 210
Rincker, M. J., 209, 282
Rincker, P. J., 111, 112, 113
Ringwall, K., 182
Ritter, M. R., 5
Robbins, K., 123
Roberson, K. D., 209
Robinson, P., 286
Robinson, P. H., 65
Robson, R. M., 107
Roca, J., 220
Rocha, D., 50
Roeber, D. L., 91
Rohrer, G., 45
Rohrer, G. A., 38
Rosa, A., 158
Rothschild, M., 39, 44, 50, 51, 169, 176, 183
Rozeboom, K., 231
Ruiz, A., 231
Rush, I., 267
Russell, J. R., 243

S

Saama, P., 37
Saddoris, K., 139, 215, 216
Safranski, T. J., 17
Sauber, T., 142
Saxton, A., 123
Schasteen, C., 153, 156
Scheffler, J., 223, 278
Schinckel, A., 30, 37, 87, 212, 215, 216, 217
Schinckel, A. P., 210
Schmidt, F. J., 259
Schmidt, T. B., 253, 254
Schneider, J., 185
Schneider, J. D., 160
Schoonmaker, J., 257
Schroeder, G. F., 252
Schulte, D., 218
Schwab, C., 20
Sears, S. C., 284
See, M., 30
See, M. T., 111, 112, 113
See, T., 37
Seifert, K., 128
Serenius, T., 81, 83, 88
Serenius, T. V., 85
Sevenich, D., 142
Sewalt, V., 54, 56
Sewell, J., 238
Seyfert, M., 118
Shackelford, S. D., 38
Sherwood, D., 218
Sholly, D., 215, 216
Shurson, G., 95, 128, 163, 164, 180, 191
Siegford, J. M., 9
Silva, J. C., 264
Simmins, P., 195
Simpson, B., 36
Sindt, J., 269
Skjolaas-Wilson, K., 280
Smith, A. L., 85
Smith, J., 54
Smith, J. S., 119, 120
Smith, M., 277
Snowder, G. D., 18, 229
Soller, M., 47, 48
Soltwedel, K., 105

Son, K. S., 130, 175
Southern, L., 123
Spallholz, J. E., 192
Spangler, D., 75
Sparks, J., 205, 206
Spencer, J., 200
Spencer, J. D., 197
Spiehs, M., 128, 191
Spurlock, M., 102
Srichana, P., 144, 149, 150, 159, 161, 162, 165, 201
Stahl, C., 44, 169, 176, 183
Stahl, C. A., 254
Stahly, T. S., 168
Stalder, K., 20, 30, 37, 39, 81
Stalder, K. J., 83, 85, 88
Stalker, L. A., 61
Steibel, J. P., 9
Stein, H. H., 157, 158, 167, 199
Sterle, J. A., 84
Stika, J. F., 62, 63
Still, S., 114
Strawford, M. L., 10
Street, B. R., 13
Stroh, J. D., 23
Strohbehn, D., 62, 63
Strohbehn, D. R., 243
Stumpf, T., 205, 206
Sutovsky, P., 40
Sutton, A., 212, 213, 215, 216, 217
Sutton, A. L., 210
Swenson, L., 2

T

Tabet, R., 155
Takacs, J., 286
Ten Broeck, R., 227
Thallman, R. M., 18, 46, 229
Titgemeyer, E. C., 252
Tokach, M. D., 129, 131, 132, 133, 134, 138, 146, 147, 152, 154, 160, 173, 177, 184, 186, 202, 208, 285
Tooker, B. C., 168
Totir, L., 50
Totir, L. R., 52
Trenkle, A. H., 100
Trottier, N. L., 124, 155
Truong, T., 56
Tsengeg, P., 53, 234
Tuggle, C. K., 35

U

Undersander, D., 244
Undersander, D. J., 248
Unruh, J., 287
Usry, J. L., 129, 144, 148, 149, 152, 159, 201
Uthe, J. J., 35

V

Vallet, J. L., 28, 230
Vander Pol, K., 103, 251, 271
Van Kessel, A., 109
Van Kessel, A. G., 122
van Milgen, J., 151
Van Vleck, L. D., 23, 24, 25
Vanzant, E. S., 262
Vazquez, J. M., 220
Vazquez-Añon, M., 242
Velleman, S. G., 115
Venable, E., 242
Verstegen, M. W. A., 214
Vonnahme, K., 228
Vuorisalmi, M. L. M., 23

W

Wagner, R., 118
Walker, P., 235, 239
Walker, R., 3, 4
Walsh, M., 215, 216
Ward, J., 231
Webel, D., 6, 140
Webel, D. M., 197, 200
Webel, S., 6, 140
Wechsler, F., 178
Wentz, K. N., 113
Wertz, A. E., 100
Wheeler, T. L., 38
Williams, N., 5
Willing, B., 109
Willing, B. P., 122
Wilson, D. E., 21, 261
Wilson, L., 215, 216
Wilson, M., 231
Wilson, M. E., 90
Wilt, H., 170, 171
Wiseman, T., 196
Wolter, B. F., 5, 6, 140, 200
Wu, G., 127
Wu, J., 153, 156

X

Xi, L., 111, 112, 113

Y

Yager, A., 215, 216
Yancey, E. J., 120
Yang, Q. M., 232
Yen, J. T., 155
Yi, G., 153
Yi, G. F., 144, 161, 162
Yoon, I. K., 192
Yu, Y. H., 175

Z

Zamzow, J., 168
Zanella, A. J., 8, 9
Zeir, C., 5
Zerby, H., 114
Zerby, H. N., 115
Zhai, S. W., 135, 237
Zhao, H., 48, 49
Zhao, S.-H., 35
Zijlstra, R., 195

Author Index for Volume 83, Supplement 2 (ASAS Western Section Abstracts, 2005)

A

Abercrombie, L., 6, 9
Adams, D. C., 95
Aguirre Cano, E., 41
Ahmadzadeh, A., 93
Ahola, J. K., 79
Aiken, G. E., 84
Alarcón-Rojo, A. D., 23
Allen, L. R., 92
Almeida, L., 51
Alvarez, F. D., 13
Alvarez-Valenzuela, F. D., 7
Anchondo, A., 23
Anderson, D. C., 4, 64, 65
Anderson, L. P., 40
Anderson, R., 17, 86
Angell, R. F., 68
Ansotegui, R., 3, 101
Arzola, C., 28, 41, 42
Arzola-Alvarez, C., 31
Atkinson, R., 107
Atkinson, R. L., 92
Atwill, E. R., 16
Avendaño, L., 1, 2, 13
Avendaño-Reyes, L., 7

B

Bailey, D. W., 57
Bañuelos, J. M., 2
Barajas, R., 10, 19, 20, 51
Bartlett, A., 36
Bauder, J. W., 34
Bauer, M., 47, 48, 110
Baumgard, L. H., 97
Beauchemin, V. R., 56
Beckman, D., 62
Belk, K., 15
Bell, G., 11, 96
Berardinelli, J., 91, 104
Black, C. M., 114
Blake, T. K., 37, 50
Bohnert, D. W., 27, 68
Bollinger, L. M., 16
Borowicz, P., 22, 49, 113, 115
Borowicz, P. P., 39
Boss, D. L., 4, 37, 64, 65
Bowman, J. G. P., 25, 32, 37, 50
Bridges, M., 77
Brigham, B., 62
Brigham, B. W., 61, 63
Bruckner, P. L., 37
Bruemmer, J. E., 103
Buck, M., 116
Burke, J. M., 84

C

Calderon, J. C., 51
Callaway, T., 17, 86
Callaway, T. R., 84
Carlson, G. C., 37
Carman, A., 96
Carstens, G. E., 55, 121
Cash, S. D., 32, 34
Castañeda, J., 19, 20
Castillo, N. Y., 42
Castillo-Castillo, Y., 31
Caton, J., 22, 47, 48, 49, 110, 112, 113, 115
Caton, J. S., 18, 39, 40
Cazac, D., 118
Cervantes, B. J., 51
Ceseña, C., 13
Chahine, M., 14
Chapman, C. K., 82
Cheatham, R. C., 97
Chicco, C. F., 38
Choat, T., 15
Choat, W., 83
Chung, K., 54
Ciliax, A., 106
Coblentz, W., 72
Cockett, N., 26
Coffey, K., 72
Correa, A., 1, 2
Correa-Calderón, A., 7
Covey, T., 45, 46
Cox, S., 12, 122
Cox, S. H., 114
Crews, Jr., D. H., 55
Cuadras, M., 23
Culp, G., 45
Cunningham, W., 78
Cupp, A., 102

D

Dahl, C., 99
Daniel, J. A., 40
Davis, K., 3
Davis, K. C., 4, 64, 65
Defoor, P., 46
Derner, J. D., 87
Dixon, L. M., 103
Dorsch, J. A., 50
Duff, G. C., 97
Duffey, L., 77

E

Edrington, T., 17, 86
Edrington, T. S., 84
Eggers, M., 25
Encinias, M., 120
Endecott, R., 122
Endecott, R. L., 52, 114
Engdahl, G., 21
Engle, T. E., 94
Enns, R., 62
Enns, R. M., 56, 58, 61, 63
Erickson, G., 83
Espino, M. A., 10
Evoniuk, J. M., 8

F

Falck, S. J., 27
Falk, D. G., 93
Fernandez, G., 106
Ferreira, A. V., 43
Flores, A., 28
Flores, R., 71, 72, 84
Frago, F., 93
Freeberg, K., 115
Frick, M., 25
Funston, R., 102
Funston, R. N., 95

G

Gallegos, M. P., 13
Ganskopp, D. C., 27
Garcia, V., 6, 9
Garcia-Macias, J., 85
Garrick, D., 62
Garrick, D. J., 57, 58, 61, 63
Gates, R., 35
Gates, R. N., 117
Geary, T., 90, 101
Geary, T. W., 66, 105
Gelvin, A., 110
Genovese, K., 17, 86
Gentry, P. C., 97
Gibson, M., 47, 48
Gibson, M. L., 111
Gifford, C., 6, 9, 69
Gill, C. A., 60
Gipp, W. F., 81
Glaze, J. B., 93
Glaze, Jr., J. B., 14, 79
Gleghorn, J., 45, 46
Godoy, S., 38
González, H., 1
Grado, J. A., 28
Grazul-Bilska, A., 49
Green, B., 21
Grings, E., 101
Grings, E. E., 66, 105
Grove, A. V., 50
Guerrero, J., 2
Guerrero, J. N., 1

H

Hafer, J., 25
Hager, K., 89
Halasheh, R., 96
Hall, J. O., 40
Hall, M. R., 16
Hallford, D., 6, 9, 45, 46, 69, 71, 107, 113
Hallford, D. M., 43, 44, 56
Harris, H., 102
Hatfield, P. G., 40
Hawkins, D. E., 103, 114
Heckendorf, C., 78
Held, J., 40
Heller, J., 78
Hernandez, J. A., 24
Hernandez, L., 11, 96
Hernandez-Bautista, J., 85
Herring, A. D., 60
Herring, W., 59
Hess, B., 67, 107, 109
Hess, B. W., 87, 94
Hinkley, S., 83
Holcombe, D., 106
Holmgren, L, 82
Hossner, K. L., 94
Howard, J. M., 93
Huether, E., 106
Hussein, H. S., 16

I

Ivey, S., 122

J

Jiménez, J. A., 23
Johnson, D. D., 27
Johnson, M. L., 8
Johnson, N., 91
Johnson, P., 35
Johnson, P. S., 117
Joshi, P., 104
Juarez, F., 10
Julius, S. L., 39

K

Kane, K. K., 103
Kapphahn, M., 115
Keller, M., 88
Kennedy, M., 88
Kiker, W., 21
Kimberling, C., 80
Kincheloe, J. J., 50
Kirksey, R., 74
Klopfenstein, T., 83
Klopfenstein, T. J., 95
Knight, R., 6, 9, 69
Krall, J., 67
Krausz, K. K., 32
Kreider, D., 72
Kress, D. D., 4, 64, 65

L

Lake, S., 67, 107, 109
Lake, S. L., 87
Lamb, P. F., 37
Lancaster, P. A., 55, 121
Landblom, D., 35
Lardy, G., 47, 48, 110
Lardy, G. P., 18
Lauriault, L., 74
LeValley, S., 80
Lewis, G., 26
Lewis, G. S., 98
Lipsey, R., 101
Lodge-Ivey, S. L., 52
Loest, C., 96
Loest, C. A., 43, 44, 73, 98, 114, 118
Looper, M., 71, 72
Looper, M. L., 84
Loya-Olguin, F., 120
Ludden, P. A., 92
Lueras, R. B., 114
Lund, J., 47, 48
Lunt, D., 54
Lunt, D. K., 60

M

MacNeil, M., 59, 101
MacNeil, M. D., 105
Malcolm-Callis, K., 45, 46, 120
Malechek, J., 116
Males, J., 88
Manzo, R., 93
Martinez, C., 17
Mathis, C., 74
Mathis, C. P., 73, 118
May, B., 5
May, J., 71
May, K., 71
McBee, M., 9
McCollum, III, F. T., 73
McLean, D. J., 24
McReynolds, J., 86
Medina, G. E., 13
Min, B., 70, 108
Molina-Ramírez, L., 7
Montaño, M., 1, 2
Montaño, M. F., 13
Moreno, J. F., 13
Morrison, J. A., 79
Morrison, L., 45, 46
Mortensen, L., 106
Moss, G., 107, 109
Moxley, R., 83
Murrieta, C. M., 94

N

Nayigihugu, V., 87, 107
Nelson, J. S., 103
Nett, T., 109
Nihsen, M., 71, 72
Nisbet, D., 17, 86
Niswender, G. D., 103
Nunez-Gonzalez, F., 85

O

Obeidat, B. S., 44
Olson, K., 30, 99, 116
Olson, R. A., 87
O'Neil, M. R., 18
Orihuela, A., 19, 20
O'Rourke, K. I., 8
Ortega, J. A., 41
Ortega-Gutierrez, J., 85

P

Paisley, S., 35
Paisley, S. I., 105
Parsons, G., 80
Parsons, J., 80
Paterson, J., 15, 77, 83, 89, 90
Patterson, H., 35
Patterson, H. H., 111, 117, 119
Pérez-Márquez, A., 1, 2, 7
Perry, G. A., 111, 117
Petersen, M., 122
Petersen, M. K., 43, 52, 114, 118
Peterson, J., 77
Peterson, R., 83
Pilcher, S., 77
Pinchak, W., 70, 108
Poland, W., 33, 36
Ponce, J. F., 1, 2
Porter, B., 33
Pruitt, R. J., 119
Pugh, J. A., 32, 34

Q

Quintero-Saucedo, J. S., 7

R

Raboy, V., 50
Rainey, B., 15, 89, 90
Rangel-Santos, R., 7
Redden, R., 12
Redmer, D., 22, 49, 112, 113, 115
Redmer, D. A., 8, 39
Reed, J., 47, 48, 49, 110, 112, 113, 115
Reeves, J. J., 24
Rentería, T. B., 13
Reynolds, L., 22, 49, 112, 113, 115
Reynolds, L. P., 18, 39
Rhoades, R., 54
Richardson, K. D., 52
Ridenour, K, 45
Ringwall, K., 76
Rios-Rincon, F., 85
Rivas, A. L., 53
Rivera, F., 2
Robb, J. G., 75
Roberts, A., 90, 101
Roberts, A. J., 66, 105
Robinson, B. L., 32, 34
Rodríguez Muela, C., 41
Rodríguez-Almeida, F. A., 23
Rodriguez, H. E., 28
Rodriguez Muela, C., 28, 31, 42
Romo, J. A., 19, 20
Romo, J. M., 51
Romo-García, S., 23
Rosenkrans, Jr., C., 71, 72
Rosenkrans, Jr., C. F., 84
Ross, T., 11, 12, 17, 96
Rubio, M., 122
Rubio, M. R., 114
Ruiz, O., 28, 42
Ruiz-Barrera, O., 31
Rule, D., 107, 109
Rule, D. C., 94
Rumph, J., 3
Rumph, J. M., 4, 64, 65

S

Sakuma, T., 16
Salisbury, M., 5, 21
Salvador, F., 41
Salverson, R. R., 111
Sánchez, B. E., 23
Sanders, J. O., 60
Sanders, S. R., 97
Saucedo, J. S., 13
Sawyer, J., 54, 74, 122

Sawyer, J. E., 44, 60, 73
Scanga, J., 78
Schauer, C. S., 40
Schimdt, P., 29, 30
Scholljegerdes, E., 67, 107, 109
Scholljegerdes, E. J., 94
Schrick, N., 72
Schultz, C., 86
Schuman, G. E., 87
Serrato-Corona, J. S., 53
Shirley, K. L., 56, 114
Silva, E., 19, 20
Silver, G. A., 56
Skinner, K., 89, 90
Smith, C., 36
Smith, D., 83
Smith, G., 15, 90
Smith, S., 54
Smith, V., 25
Snyder, D., 30
Sosa Manzo, J. M., 24
Soto-Navarro, S., 45, 46, 112, 120
Soto-Navarro, S. A., 22, 39
Sowell, B., 25
Speckmann, R. D., 103, 114
Speidel, S., 62
Speidel, S. E., 58
Stalker, L. A., 95
Standley, T., 89, 90
Steiner, R., 56
Stellflug, J., 26
Stobart, R., 40
Stoltenow, C. L., 8
Stonecipher, C., 99, 116
Storer, C., 6, 9
Stott, R. R., 79
Stougaard, R. N., 37
Strickland, J. R., 44
Surber, L. M. M., 32, 34, 50

T

Tauck, S., 91, 104
Taylor, J., 22, 49, 112, 113, 115
Taylor, J. B., 39, 44, 98
Tess, M., 3
Thelen, T. M., 44, 98
Thomas, M. G., 56, 57
Thompson, B., 101
Thurman, J., 45
Tisor, L., 33, 36
Todd, A. L., 32, 34
Toone, C. D., 92
Torell, R. C., 68
Torres-Rivas, A., 31
Transtrom, T., 36
Trejo, J., 1

U

Umberger, W., 78

V

Valencia, J. J., 19, 20
Van Kirk, E., 107
van Nolte, J. E., 43
VanWaggoner, H., 3
VanWagoner, H. C., 57
Van Wagoner, H. C., 4, 64, 65
Vavra, M., 100
Villalobos, C., 41
Virgilio, R. J., 51
Vonnahme, K., 49, 112, 113, 115
Vonnahme, K. A., 18, 39

W

Waggoner, J. W., 43, 73, 118
Walker, D., 45, 46, 120
Wang, S., 98
Ward, E. H., 119
Ward, M., 22, 49, 112, 113, 115
Ward, M. A., 39
Waterman, R., 101
Wayment, H., 30
Wegenhoft, M. A., 60
Weinmeister, R., 57
West, C., 72
Weston, T., 109
Weston, T. R., 87
White, R., 15, 90
Whiteman, G., 25
Whittier, J. C., 78
Wiedmeier, R., 29, 30
Wolf, A., 67
Wood, L., 99
Woods, S. A., 121
Woolley, D., 5

Y

Yazwinski, T., 72
Young, A., 29

Z

ZoBell, D. R., 82

Subject Index for Volume 83, Supplement 2
(ASAS Southern Section Meeting Abstracts, 2005[1])

A

Adaptation, 106, 107
Aerobic Stability, 29
Age at First Farrowing, 21
Alfalfa, 24
Anestrous, 1
Angus, 16, 86
Antibiotics, 127
Ascophyllum nodosum, 12
Assessment, 25

B

Balage, 29
Beef, 77, 92, 93, 94, 95, 111
Beef Cattle, 17, 18, 19, 20, 30, 34, 47, 82, 83, 87, 96, 100, 109, 115, 123, 127
Beef Cows, 42, 43, 121, 122
Beef Steers, 126
Beef Surveys, 74
Behavior, 72
Bermudagrass, 26
Binary Data, 17
Bioavailability, 5
Biological Types, 90
Birth Weight, 114, 116
Blood flow, 104
Boar, 38
Body Condition Score, 44
Boer, 23
Bonsmara Cattle, 120
Bos indicus, 98, 100, 113
Bos taurus, 98
Bovine, 104
Brahman, 96, 97, 99, 101, 102, 117, 119
Breed Crosses, 101, 102
Breeding, 49
Breeds, 53, 109, 111
Budget, 80
Bull, 2
By-Products, 85

C

Caprine, 48
Carcass, 3, 61, 65, 117
Carcass Characteristics, 120, 126
Carcass Data, 76
Carcass Measures, 79
Carcass Traits, 9
Castration, 3, 125, 126
Cattle, 5, 7, 32, 80, 84, 125, 128
Cattle Breeds, 106
Chevon, 62, 63
CIDR, 42
Citrus Pulp, 129
Climate, 19, 20
Clones, 39
Competition Effects, 22
Complementary Forages, 123
Computer Use, 74
Consumer Preference, 62
Contest, 77
Cool Season Annuals, 123
Copper, 55, 56, 57, 87
Corn Gluten Feed, 84
Cortisol, 35, 40
Cottonseed, 130
Creep Grazing, 82
Crossbreeding, 97

D

Dairy, 46
Dam and Son Comparison, 14
Demographics, 62
Digestibility, 24, 110, 131
Digestion, 26
Doe Kids, 66
Duddingtonia flagrans, 56

E

E. coli, 34, 59
Efficiency, 110
Electrical Stimulation, 60
Embryos, 43
Energy, 70
Energy Expenditure, 71
Estrus Detection, 52
Ewes, 55
Extenders, 38
Extension, 78
Extension Programming, 75
Fallow Deer, 69
Fat Source, 91
Fatty Acid Composition, 91
Fatty Acids, 8, 90
Feed Efficiency, 16
Feed Intake, 4, 19, 20
Feedlot, 99
Fertility, 18
Fibrolytic Enzymes, 69
Finishing, 84
Finishing Cattle, 12
Florida, 97
Forage, 28, 30, 115, 129
Forage Degradation, 27
Forage Management, 33
Forage Quality, 25, 28
Fuzzy Logic, 17, 18

G

Gain, 130
Genetic Effects, 119
Genetic Parameters, 117
Genetics, 22
Genotype × Environment, 115
Genotype × Environment Interaction, 100, 116
Gilts, 40
Glucocorticoids, 15
GnRH, 41
Goat, 1, 50, 52, 59, 65, 68, 70, 71
Goat Industry, 73
Goat Meat, 60

[1]Please note: the numbers following key words in this index refer to abstract numbers, not page numbers.

Grassfed Beef, 90
Grazing, 64, 66
Grazing Pattern, 31
Grazing Time, 32, 113
Growth, 46, 69

H

Haemonchus contortus, 56
Hair Sheep, 49, 50, 52, 54, 64
Harvest, 89
Health, 81
Heart Rate, 71
Heifer, 45, 88
Herbage Allocation, 31
Holstein, 14
Horse, 78
Housing, 40

I

Immune Modulators, 6
Immune System, 39
Implants, 82, 83
In Situ, 27
Instrumental Color, 93, 95
Insulin, 8
Insulin-Like Growth Factor-I, 121
Intake, 113, 131
Internet, 74
IRM, 80
Ivermectin, 128

J

Jerky, 63

K

Katahdin, 61

L

Lactation, 70, 112
Lambs, 61, 64
Legumes, 122
Leptin, 65
Lifetime Performance, 107

M

Maintenance, 110
Management, 49
Marketing, 73
Maturation, 51
Meat Goats, 3, 53
Melengestrol Acetate, 1, 50
Metaphylaxis, 127
Methane, 132
Milk Production, 86
Mitochondrial Gene Sequence, 14
Monensin, 45
Mucuna, 131
Multi-County, 78
Multi-State, 75, 76
Muscle Mitochondria, 16

N

Nellore, 86
Nematode, 57, 58
Nutrition, 47, 88

O

Oocyte, 51
Orchardgrass, 29
Ovarian, 41

P

Palatability, 4, 92
Parasites, 54
Parity, 124
Paspalum notatum, 28
Pasture, 54, 99, 122
Performance, 21, 32, 68, 77
Pharmaceuticals, 7
Phosphate, 92, 93, 94, 95
Pig, 6, 21, 22, 39, 91
Placenta, 104
Preconditioning, 81, 85
Pregnancy, 42, 124
Preweaning, 112
Production, 73, 119
Profitability, 76
Progesterone, 35, 48
Proinflammatory, 15
Prostaglandin, 41
Protein, 26, 129
Puberty, 45, 47
Pyruvate, 37

Q

Quality Grade, 12

R

Ram, 2
Reciprocal Crosses, 103
Remote Sensing, 25
Reproduction, 9, 43, 46, 53, 88, 98

S

Sausage, 63
Scrotum, 36
Season, 48
Selenium, 5, 87
Semen, 2, 37
Sericea lespedeza, 58
Sheep, 35, 36, 51, 57, 58, 72
Show Hogs, 79
Sire Evaluation, 114
Small Grains, 30
Small-Grain, 13
Spanish, 23
Spermatozoa, 38
Stallion, 37
Steer, 85, 89, 130
Stocker Calves, 125
Stocker Cattle, 13
Stocking Rate, 68
Stress, 4, 59
Subtropical Adaptation, 96
Subtropical Breeds, 107
Subtropics, 106
Supplemental Fat, 9
Supplemental Progesterone, 44

T

Tall Fescue, 7, 33, 34, 128
Temperament, 72
Tenderness, 60, 102, 111, 120

Tennessee Stiff-Legged, 23
Thermography, 36
Tillage System, 13
Timed AI, 44
Timing, 31
Triticum aestivum, 66
Tropically Adapted, 109

U

Ultrasound, 89

V

Vaccine Response, 6
Vertical Coordination, 75

W

Warm-Season Legumes, 27
Water-Retention, 94
Weaning, 33, 81, 124
Weaning Weight, 101, 112, 114, 116, 121
Wheat, 24

Y

Youth, 79

Subject Index for Volume 83, Supplement 2 (ASAS Midwestern Section Meeting Abstracts, 2005)

A

Abnormalities, 50
Acute Phase Proteins, 191
Adipocyte, 102
Adiponectin Receptors, 102
Age of Dam, 21
Alimet® Feed Supplement, 161
Amino Acid, 124, 138, 143, 155, 242, 252
Amino Acid Intake, 166
Animal Cloning, 222
Animal Science, 276
Antibiotics, 141
Antibodies, 104, 240
Antimicrobial, 131, 134, 187
Antimicrobial Alternatives, 163
Antioxidant, 116, 120, 282
Arginine, 159
Association, 38

B

Bacteria, 136
Bacterial Disease, 35
Bedding, 2
Beef, 58, 60, 91, 100, 110, 257, 287
Beef Bone Marrow, 119, 120
Beef Cattle, 16, 21, 22, 26, 55, 66, 258, 260, 267
Beef Cows, 239, 245
Behavior, 11, 284
beta-glucan, 141
BIOSAF®, 187
Biotin, 170, 171
Biotite V, 130
Birth Weight, 85
Blood, 178
Blood Cell, 148, 149
BLUP, 52
Boars, 231
Body Composition, 196
Body Condition Score, 61
Body Fat, 106, 279
Body Measurements, 27
Bone, 168, 176, 281
Bovine, 227
Brain, 8
Breeding Soundness, 34
Breeding Value, 20
Breeds, 16, 22, 23
Broiler, 232
Bull, 34
Byproducts, 198

C

Calpastatin, 38
Calves, 264
Carcass, 112, 181, 192
Carcass Composition, 16
Carcass Traits, 23, 46
Castration, 137, 181
Cattle, 61, 94, 121, 218, 228, 229, 244, 271, 281, 282
Chinese Holstein Lactating Cows, 237
Competition Effects, 24
Conjugated Linoleic Acid, 106, 279
Cook Loss, 114
Cooking, 117
Copper, 197
Corn, 103, 251
Corn Hybrid, 97, 258
Corrosivity, 56
Creep Feeding, 6, 60
Crude Protein, 126
Crude Protein Level, 237
Cultural Energy, 53, 234
Cutting Yield, 111

D

Database, 51
DDGS, 156, 157, 173, 200
Δ6-desaturase, 106
Deworming, 55
Dietary Crude Protein, 215
Dietary fat, 202
Digestibility, 98, 138, 156, 185, 262
Digestion, 233, 245
Direct Fed Microbials, 191
Discoloration, 116, 119, 120
Discriminant Analysis, 49
Disposition, 63
Distillers, 65
Distiller's Grains, 64, 66, 67, 91, 98, 103, 128, 235, 238, 251, 271
Distiller's Grains with Solubles, 199, 269
Distiller's Solubles, 180, 163, 164
DNA Markers, 29
Docosapentaenoic Acid, 256
Dried Distiller's Grains, 89, 209
Dry Palm Oil Powder, 174

E

E. coli, 255
E. coli O157:H7, 259
Early Weaning, 57, 58, 287
Early-Weaned Pigs, 163, 164, 180
Economic Model, 213
Economics, 61, 271, 287
Efficiency, 26
Egg Quality, 90
Eicosapentaenoic Acid, 256
Electrolyte Balance, 208
Electronic Sow Feeders, 4, 10
Embryo, 225
Energy, 67, 142, 160, 201
Energy Intake, 166
Energy Metabolism, 254
Enhanced Beef, 118
Entotoxin, 7
Environment, 198, 213
Epithelial Cells, 280
eQTL, 43
Equine, 182
Escherichia coli, 171
Estrous Cycle, 94
Ethanol, 64, 244
Evaluation, 86
Ewes, 246
Excel, 203
Extra Credit, 277

F

Fat, 200, 201
Fatty Acid, 110, 113
Feed Availability, 14
Feed Conversion, 108
Feed Efficiency, 93
Feed Intake, 140, 173, 203
Feedlot, 2, 53, 55
Feedlot Cattle, 67
Feedlot Gain, 63
Fermentation, 253
Fertility, 40
Fetal Survival, 28
Fetus, 230
Fiber, 95
Field Peas, 182, 267
Finishing, 101, 249, 255, 269
Finishing Cattle, 103, 251
Finishing Pig, 130, 147, 152, 154, 184, 202
Flax, 110
Floor Space, 5
Flooring, 12
Flow Ability, 285
Flow Cytometry, 220
Flow Sorting, 220
Follicle, 227
Forage, 66, 89, 233
Forage Protein, 262
Fusobacterium necrophorum, 104, 240

G

Gene Expression, 9, 169, 176, 224
Gene Mapping, 35
Genetic, 18
Genetic Change, 23
Genetic Markers, 39
Genetic Parameters, 17, 30, 37
Genetic Variances, 24
Germ Cell, 221
Germplasm, 22
Gestation, 127
Gestation Crates, 4
Gestation Stall, 11
Gilts, 144
Gloss, 118
Gluten Feed, 238
Gnotobiotic, 109, 122
Goats, 255
Group Size, 13
Growth, 5, 43, 101, 132, 134, 144, 151, 162, 164, 186, 188, 215, 216, 226
Growth Performance, 112
Growth Traits, 46

H

Hams, 39
Health, 59, 62
Heat Loss, 41, 42
Heat Stress, 40
Herbal Plant Mixture, 175
Heritability, 25
High Moisture, 235
High Moisture Distiller's Grains, 239
Housing, 82, 261
HPAA, 7
25-hydroxyvitamin D_3, 100

I

IDEA, 156
IDEA Assay, 153
Ideal Protein, 127
IGF-I, 94, 126, 143, 183, 226
Immunology, 280
In Vitro Digestibility, 157
In Vitro Fertilization, 219
Initial Weight, 261
Insiling, 68
Intake, 89, 121, 253, 254
Intermediate Filaments, 107
Internet, 273
Intestines, 158
Intramuscular Fat, 20
IRP, 282
Isoleucine, 148, 149

L

Lactate, 118
Lactating Sow, 105, 175
Lactation, 140, 204, 208, 247
Lactation Performance, 42
Lactobacillus, 188, 189
Lactose, 165, 285
Laying Hens, 135
LD, 48
Leptin, 121
Lifetime Productivity, 81
Linkage Disequilibrium, 48
Lipolysis, 279
Litter Size, 230
Longevity, 3, 82, 88
Lysine, 98, 146, 147, 152, 160
L-Lysine HCl, 150, 159
Lysine·HCl, 144

M

Maize, 142
Male Fertility, 222
Marek's Disease, 47
Marker-Assisted Selection, 52
Maternal VEGF, 228
Meat, 117
Meat and Bone Meal, 154
Meat Quality, 37, 84
Metabolizable Energy, 262

Methane, 286
DL-Methionine, 161
Methionine, 145, 146, 252
Methionine Hydroxy Analog, 145
Methionine Source, 162
MGA, 90
Mice, 40, 41, 42, 278
Microarray, 44, 224
Microarray Analysis, 169
Microbial Ecology, 122
Microbial Flora, 190
Milk Supplement, 207
Milk Urea Nitrogen, 237
Milk Yield, 25
Mineral, 196
Mitochondria, 93
Mixed Effects Model, 87
Mixing Efficiency, 133, 186
Mold Inhibitor, 56
Molting, 90
Monoglyceride, 174
Mortality, 62
Multitrait, 49
Muscle, 107, 124, 225, 226
Muscle Growth, 278
Muscle Morphology, 115
Myogenesis, 225
Myogenin, 223

N

Natural, 257
NH3-N, 130
Nitrogen, 211
Nitrogen Excretion, 217
Nitrogen Mass Balance, 218
Nonlinear Growth Functions, 87
Normal Corn, 135
Nucleotides, 158
Nursery, 132, 165
Nursery Mortality, 206
Nursery Pigs, 129, 131, 134, 160, 161, 162, 170, 177, 179, 186, 187
Nutrient Balance, 180
Nutrient Digestibility, 199
Nutrient Excretion, 210, 212, 216
Nutrient Flux, 246
Nutrient Management, 198
Nutrient Requirements, 123
Nutrient Retention, 254
Nutrients, 2, 65
Nutrition, 59, 210, 247

O

Odor, 86
Oocyte maturation, 219
Optaflexx, 249
Oregano, 131
Organic Acids, 54, 179
Organic Minerals, 178
Ovarian Phenotype, 229
Ovine, 7
Ovulation Rate, 45, 229
Oxygen Consumption, 232

P

Packaging, 119
Palatability, 91
Particle size, 133
Passage rate, 253
Pasture, 53, 234, 244
Paylean, 146
Pedagogy, 277
Peptide, 259
Performance, 3, 178
$PGF_{2\alpha}$, 231
Phage Display, 259
Phagocytosis, 190
Phosphorus, 44, 136, 139, 167, 168, 169, 176, 183, 193, 194, 209, 211, 248, 281
Phosphorus Excretion, 217
Phytase, 139, 185, 193, 194
Phytobiotics, 179
Pig, 5, 9, 12, 13, 14, 28, 30, 33, 35, 37, 44, 101, 102, 108, 109, 113, 124, 126, 139, 141, 142, 143, 145, 148, 149, 150, 151, 155, 157, 158, 159, 165, 166, 167, 168, 173, 174, 183, 185, 192, 195, 196, 199, 200, 201, 203, 207, 211, 219, 221, 222
Pig Growth Modeling, 212
Piglet, 175
Placental Efficiency, 17
Polyclonal Antibody, 128
Polydactyl, 50
Porcine, 36
Pork Bone, 116
Pork Production, 214
Pork Quality, 114, 115
Portal, 155
Pregnancy, 230, 247
Prewean Mortality, 205
Prion, 46
Processing, 97, 267
Proliferation, 223
Propionic Acid, 56
Protein, 57, 246
Protein Nutrition, 122
Protein Source, 138, 129
Protozoa, 286

Q

QTL, 47, 49, 52
Quality, 58, 60, 111
Quality Grade, 62, 63
Quality Protein Maize, 135
Quantitative Trait Loci (QTL), 51

R

Ractopamine, 111, 112, 113, 184
Radiation Hybrid Mapping, 45
Random Regression, 27
Reading, 277
Regression Analysis, 123
Relative Availability, 167
Reproduction, 18, 30, 36
Requirements, 212
Residual Feed Intake, 33
Respiratory Chain, 108
RFI, 93
Rumen, 286
Rumen Digestion, 97, 258
Rumen Protected Fat, 260
Ruminant, 248

S

Salmonella, 128, 191, 280
Salt, 133
Sampling Errors, 24
Sarcolemma, 107
Satellite Cell, 223
Season, 261
Second-Calf Heifer, 243
Selection, 17, 33, 41, 278
Selenium, 192, 205, 206
Sex, 137
Sex Ratio, 220
Sheep, 234
Silo-King®, 75

Simmental Cattle, 27
Skeletal Muscle, 224
Slaughter Weight, 137, 181
Small intestine, 189
SNP, 29, 36
Social Behavior, 10
Soil Air Quality, 214
Somatotropin, 25
Sow, 6, 10, 11, 88, 95, 127, 140, 204, 207, 208
Sow Housing System, 3
Sow Lactation, 209
Sow Longevity, 81
Soy Hulls, 238
Soy Product, 153
Space Allowance, 12, 13
Specialty Protein, 285
Sperm Mophology, 34
Spray-Dried Animal Plasma, 177
Stabilization, 54
Steam-Flaked Corn, 269
Steers, 249
Stockpiled Forage, 243
Storage Life, 75
Streptococcus bovis, 104, 240
Stress, 8, 84, 264
Students, 273
Sulfur Amino Acids, 147
Supplement, 248
Supplementation, 57
Survival Analysis, 83, 88
Swine, 4, 38, 39, 45, 50, 81, 83, 84, 85, 86, 188, 189, 190, 194, 205, 206, 210, 215, 216, 217, 284
Swine Growth, 87
Swine Nutrition, 213
Synthetic Amino Acids, 129

T

Teacher, 276
Teaching, 273
Temperature, 232
Tenderness, 114
Threonine, 105, 151, 152
Toll-Like Receptor, 109
Trace Minerals, 204
Traceback, 29
Training, 231, 276
Transcriptome Mapping, 43
Transplantation, 221
Tribasic Copper Chloride, 197
True Amino Acid Digestibility, 153
Tryptophan, 150
Twinning, 18
Twins, 228

U

Ultrasound, 20, 117
Undegradable Intake Protein, 233
Uterine Capacity, 28
Utilization, 252

V

Vaccenic acid, 256
Vacuum Storage, 235
Vacuum Stored, 239
Valine, 105
Variation, 65, 202
VEGF, 227
Virginiamycin, 136, 193
Vitamin E, 197

W

Water, 214
Weaning, 59, 132, 284
Weaning Stress, 9
Weaning Weight, 26, 85
Welfare, 8, 82, 95
Wet Distiller's Grains, 68, 75
Wet Distillers Grains (WDG), 54
Wet Ethanol Coproducts, 68
Wheat Millrun, 195
Whey Protein Concentrate, 177
Whole Soybeans, 245
Winter Grazing, 243
Withdrawal, 184

X

Xylanase, 195

Y

Yearling Development, 182
Yearling Gain, 21
Yeast, 264

Z

Zeolite Clay, 218
Zinc, 170, 171

Subject Index for Volume 83, Supplement 2 (ASAS Western Section Meeting Abstracts, 2005)

A

Absorption, 38
Adipose, 54
Age-of-Dam Adjustment Factors, 65
Agricultural Careers, 25
Air Drill, 37
Alfalfa, 120
Amino Acids, 43
Ammoniated Straw, 53
Animal Identification, 77, 78, 79
Anthelmintic, 72

B

Barley, 32, 34, 50, 119
Barley Forage, 37
Beef, 76
Beef Cattle, 16, 29, 55, 57, 58, 59, 61, 89, 99, 107, 109, 116, 121
Beef Cow, 30, 66, 122
Beef Quality Assurance, 14
Behavior, 57
Biomass Disappearance, 33
Biostimulation, 104
Birth Weight, 2, 4
Bovine, 85
Bovine Semen, 23

BQA, 82
Brangus, 56
Breeding Objective, 59
Breeding Performance, 91
BSE, 75
Bull Urine, 91
Bull-Calves, 51
By-Products, 88

C

Calcium, 38
Calf Birth Weight, 13
Calves, 72
Calving Date, 66
Calving Difficulty, 2
Carcass Evaluation, 82
Carcass Quality, 71, 81
Cattle, 15, 45, 46, 54, 60, 71, 77, 83, 90, 95, 101, 120
Chile Pepper Byproduct, 118
Chromium, 10, 19, 20, 51
Community Characteristics, 87
Competitive Mating, 26
Conception Rate, 93
Corn Hybrids, 42
Corn Oil, 108
Corpus Luteum, 103
Cow, 27, 68, 117, 118
Cow Performance, 35
Creep Feed, 47, 48, 110
Crossbreeding, 12
Cull Cows, 74

D

Daily Weight Gain, 13
Dairy Cattle, 14, 17
Dietary Fat, 46
Digesta Kinetics, 46
Disposition, 60
Distiller's Grain, 47, 48
Distillers Grains, 111
Dry Season, 28
'Dun' Peas, 67

E

E. coli O157:H7, 15, 89, 90
Early Weaning, 35, 111
Economic Value, 63
Education, 25
Efficiency, 105
Energy Feeding, 21
Escherichia coli, 16
Escherichia coli O157:H7, 83, 84
Essential AA, 98
Estradiol Cypionate, 93
Estrogen, 18
Ewe, 98, 106
Expected Progeny Difference, 63

F

Fatty Acids, 109
Feed Efficiency, 55
Feeding Behavior, 121
Feedlot, 73
Feedlot Performance, 5
Fertility, 102
Field Courses, 25
Flunixin Meglumine, 101
Foam Dynamics, 108
Food Safety, 16
Forage, 47, 48, 110
Forage Barley Varieties, 34
Forage Disappearance, 35
Forage Intake, 99
Forage Kochia, 116
Forage Quality, 32, 34
Forage Utilization, 116
Fresh Meat, 85

G

Gas Production, 41
Gene Expression, 97
Genetic, 57
Genetic Differences, 60
Genetic Evaluation, 61
Genetic Parameters, 1
Genetic Trends, 4
Genotype, 8
Gestating Cow, 119
GnRH, 19, 20
Goats, 53
Grazing Behavior, 70
Green Fodder, 28
Grouping, 61
Growth, 45
Growth Hormone, 9
Growth Traits, 1
Growth-Perfomance, 51
Gutierrezia spp., 11

H

Hair Sheep, 7
Health, 120
Heifer, 105
Heifer Development, 102, 111
Heparin, 23
Heritability, 2, 58, 62
Holstein Steers, 97

I

Identification, 76, 80
IGF-I, 56
Immunity, 89, 90
Immunocastration, 24
Implants, 97
In Situ Degradation, 118
In Vitro Gas Production, 42
In Vitro Tissue Culture, 11
Inbreeding, 64
Insulin, 54
Intestinal Growth, 39
Iridescence, 85
Irrigated Pastures, 29
Irrigation Frequency, 29

K

Kidney Function, 10
Krumdieck Tissue Slicer, 11

L

Lactate Dehydrogenase, 71
Lamb, 10, 40, 43, 92
Land Grant Colleges, 100
Laparoscopic Insemination, 7
Limit-Fed, 119
Linseed Meal, 18
Lipid Supplementation, 107
Liver Toxicity, 96
Low-Quality Forage, 30
Luteolysis, 103

M

Malaise, 70
Mammary Gland, 94
Management, 27, 68
Marbling or Retail Product, 3
Markets, 75
Mastitis, 106
Maternal Effects, 62
Mature Weight, 64
Metabolites, 107
Methylglyoxal, 52
México, 13
Microarray, 24
Milk, 106
Milk Somatic Cells, 94
Milk Yield, 66
Monensin, 99
mRNA, 94
Muscle, 40

N

N Retention, 43
National Animal Identification System, 79
Near Infrared, 31
Northwest Pilot Project, 79
Nutrient Metabolism, 44
Nutrient Restriction, 49, 113
Nutrition Restriction, 115
Nutritive Value, 31, 87

O

Oocyte, 21
Organic Minerals, 45

P

Pastures, 31
Paternal Typing, 26
Phosphorus, 50
Pigs, 86
Pituitary, 24
Placenta, 22
Population and Bandwidth, 37
Postpartum, 104
Postpartum Interval, 91
Postweaning, 1
Preconditioning, 73
Pregnancy, 49, 112, 113, 115
Pregnancy Establishment, 101
Prepartum, 122
Prion, 8
Productivity/Economics, 30
Propionate, 114
Prostaglandin Metabolite, 109
Protein, 5, 52
Protein Cubes, 41
Protein Degradability, 92
Protein Supplement, 102, 114, 122
Protein Supplementation, 53
Puberty, 69, 105

R

Rangeland, 87
Reproduction, 3, 95, 114
Reproduction Traits, 7
Research, 100
Residual Feed Intake, 121
RFID, 80
Ruminal Bacteria, 52
Ruminants, 50

S

Salmonella, 17, 86
Scrapie, 8
Scrotal Circumference, 65
Selection, 3, 32, 55, 64, 65
Selection Index, 59
Selenium, 22, 39, 40, 49, 112, 113, 115
Sexual Behavior, 26
Sheep, 5, 6, 9, 18, 21, 38, 39, 69, 80, 84, 112
Snakeweed, 96
SNP, 56
Sows, 19
Sperm Capacitation, 23
Splanchnic Flux, 98
Stayability, 63
Steers, 73
Stockpiled Forage Quality, 33
Stockpiled Native Forage, 36
Straw Silage, 88
Stress, 86
Suffolk, 12
Sulfates, 117
Supplement, 28
Supplementation, 36, 74, 95, 110
Supplementation Frequency, 92
Survey, 14
Swainsonine, 44
Swine, 67, 81

T

Tall Fescue, 72, 84
Teaching, 100
Temperament, 62
Thyroid, 9, 69
Thyroxine, 6
Timed AI, 93, 104
Traceability, 77, 78
Tracking, 76
Trade, 75
Triiodothyronine, 6

U

Urea Level, 41

V

Vaccination, 15, 83
Vascularity, 22

W

Water, 117
Weaning, 27
Weaning Weight, 4, 58
West, 68
Western White Face Ewes, 12
Wet Brewers' Grain, 88
Wethers, 44, 96
Wheat Pasture Bloat, 70, 108
'White' Peas, 67
Winter Range, 36

Y

Young Sows, 20
Youth Beef Projects, 82
Youth Program, 81